

Onan

Genset Parts Catalog

**HGJAA
HGJAB
HGJAC**



Printed in U.S.A.

983-0201D
10/05 (A-D)
Replaces Spec A-C

MODEL IDENTIFICATION

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Onan nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

The following symbols are used in Onan manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.



This symbol warns of immediate hazards which will result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or product or property damage.

PRODUCT SAFETY PRECAUTIONS



Service and repair of Onan equipment must be performed by trained, experienced personnel only. Improper service or repair may result in property damage, severe personal injury or death. Do not use this catalog as a guide to servicing your equipment. Read and follow the IMPORTANT SAFETY INSTRUCTIONS in the Service Manual appropriate for the equipment you are working on.



Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.



Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!



Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives or using solvents take all necessary precautions not to ingest, breathe the fumes or contact the liquids. Use adequate ventilation and wear protective gloves, masks and protective clothing!

Introduction

This parts catalog applies to the standard generator sets listed below. Parts are arranged in groups of related items and each illustrated part is defined by a reference number corresponding to the same reference number in the parts list. Parts illustrations are typical. Using the model and specification number from your generator set nameplate, select parts that apply to your set. Right and left sides are determined by facing the engine end (front) of the set.

Generator Set Data Table

Model Identification	Fuel	Wiring Diagram	Voltage	Hertz	Phase
5.5HGJAA600A/B	Gasoline (EFI)	611-1272	120	60	1
5.5HGJAA600C/D	Gasoline (EFI)	611-1272	120	60	1
5.5HGJAA1116A/B	LP (Liquid)	611-1271	120	60	1
5.5HGJAA1116C/D	LP (Liquid)	611-1271	120	60	1
5.5HGJAA1117A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAA1117C/D	LP (Vapor)	611-1271	120	60	1
5.5HGJAA1273A/B	Gasoline (EFI)	611-1272	120	60	1
5.5HGJAA1273C/D	Gasoline (EFI)	611-1272	120	60	1
5.5HGJAA1274A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAA1274C/D	LP (Vapor)	611-1271	120	60	1
5.5HGJAA1275A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAA1275C/D	LP (Vapor)	611-1271	120	60	1
6.5HGJAA896A/B	LP (Liquid)	611-1271	120	60	1
6.5HGJAA896C/D	LP (Liquid)	611-1271	120	60	1
6.5HGJAA1278A/B	LP (Liquid)	611-1271	120	60	1
6.5HGJAA1278C/D	LP (Liquid)	611-1271	120	60	1
6.5HGJAA1277A/B	LP (Vapor)	611-1271	120	60	1
6.5HGJAA1277C/D	LP (Vapor)	611-1271	120	60	1
6.5HGJAA898A/B	LP (Vapor)	611-1271	120	60	1
6.5HGJAA898C/D	LP (Vapor)	611-1271	120	60	1
7.0HGJAA97A/B	Gasoline (EFI)	611-1272	120	60	1
7.0HGJAA97C/D	Gasoline (EFI)	611-1272	120	60	1
7.0HGJAA1276A/B	Gasoline (EFI)	611-1272	120	60	1
7.0HGJAA1276C/D	Gasoline (EFI)	611-1272	120	60	1
5.5JGHAB901A/B	Gasoline	611-1271	120	60	1
5.5JGHAB901C/D	Gasoline	611-1271	120	60	1
5.5HGJAB1118A/B	LP (Liquid)	611-1271	120	60	1
5.5HGJAB1118C/D	LP (Liquid)	611-1271	120	60	1
5.5HGJAB1119A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAB1119C/D	LP (Vapor)	611-1271	120	60	1
5.5HGJAB1270A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAB1270C/D	LP (Vapor)	611-1271	120	60	1
5.5JGHAB1271A/B	LP (Liquid)	611-1271	120	60	1
5.5JGHAB1271C/D	LP (Liquid)	611-1271	120	60	1

Generator Set Data Table

Model Identification	Fuel	Wiring Diagram	Voltage	Hertz	Phase
6.5HGJAB902A/B	LP (Liquid)	611-1272	120	60	1
6.5HGJAB902C/D	LP (Liquid)	611-1272	120	60	1
6.5HGJAB904A/B	LP (Vapor)	611-1272	120	60	1
6.5HGJAB904C/D	LP (Vapor)	611-1272	120	60	1
6.5HGJAB1037A/B	LP (Liquid)	611-1272	120	60	1
6.5HGJAB1037C/D	LP (Liquid)	611-1272	120	60	1
6.5HGJAB1272A/B	LP (Vapor)	611-1271	120	60	1
6.5HGJAB1272C/D	LP (Vapor)	611-1271	120	60	1
7.0HGJAB900A/B	Gasoline (EFI)	611-1271	120	60	1
7.0HGJAB900C/D	Gasoline (EFI)	611-1271	120	60	1
7.0HGJAB1036A/B	Gasoline (EFI)	611-1271	120	60	1
7.0HGJAB1036C/D	Gasoline (EFI)	611-1271	120	60	1
7.0HGJAB1037A/B	LP (Liquid)	611-1271	120	60	1
7.0HGJAB1037C/D	LP (Liquid)	611-1271	120	60	1
7.0HGJAB1038A/B	Gasoline (EFI)	611-1271	120	60	1
7.0HGJAB1038C/D	Gasoline (EFI)	611-1271	120	60	1
5.5JGHAC907A/B	Gasoline	611-1271	120	60	1
5.5JGHAC907C/D	Gasoline	611-1271	120	60	1
5.5HGJAC1120A/B	LP (Liquid)	611-1271	120	60	1
5.5HGJAC1120C/D	LP (Liquid)	611-1271	120	60	1
5.5HGJAC1121A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAC1121C/D	LP (Vapor)	611-1271	120	60	1
5.5JGHAC1264A/B	Gasoline	611-1271	120	60	1
5.5JGHAC1264C/D	Gasoline	611-1271	120	60	1
5.5HGJAC1265A/B	LP (Vapor)	611-1271	120	60	1
5.5HGJAC1265C/D	LP (Vapor)	611-1271	120	60	1
5.5JGHAC1266A/B	LP (Liquid)	611-1271	120	60	1
5.5JGHAC1266C/D	LP (Liquid)	611-1271	120	60	1
6.5HGJAC908A/C/D	LP (Liquid)	611-1271	120	60	1
6.5HGJAC910A/C/D	LP (Vapor)	611-1271	120	60	1
6.5HGJAC1268A/C/D	LP (Vapor)	611-1271	120	60	1
6.5HGJAC1269A/C/D	LP (Liquid)	611-1271	120	60	1
7.0HGJAC1267A/C/D	Gasoline (EFI)	611-1272	120	60	1
7.0HGJAC906A/C/D	Gasoline (EFI)	611-1272	120	60	1

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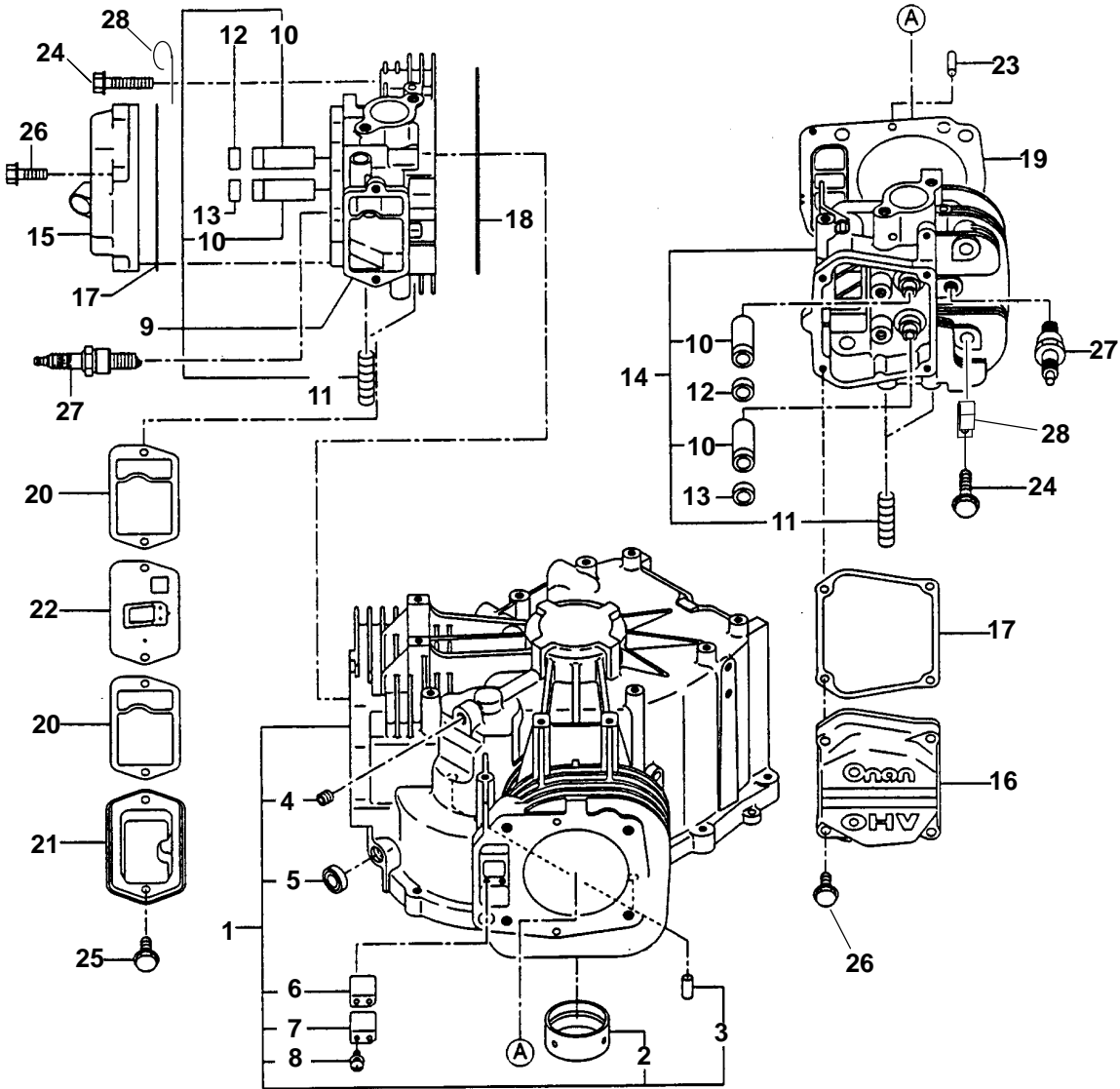
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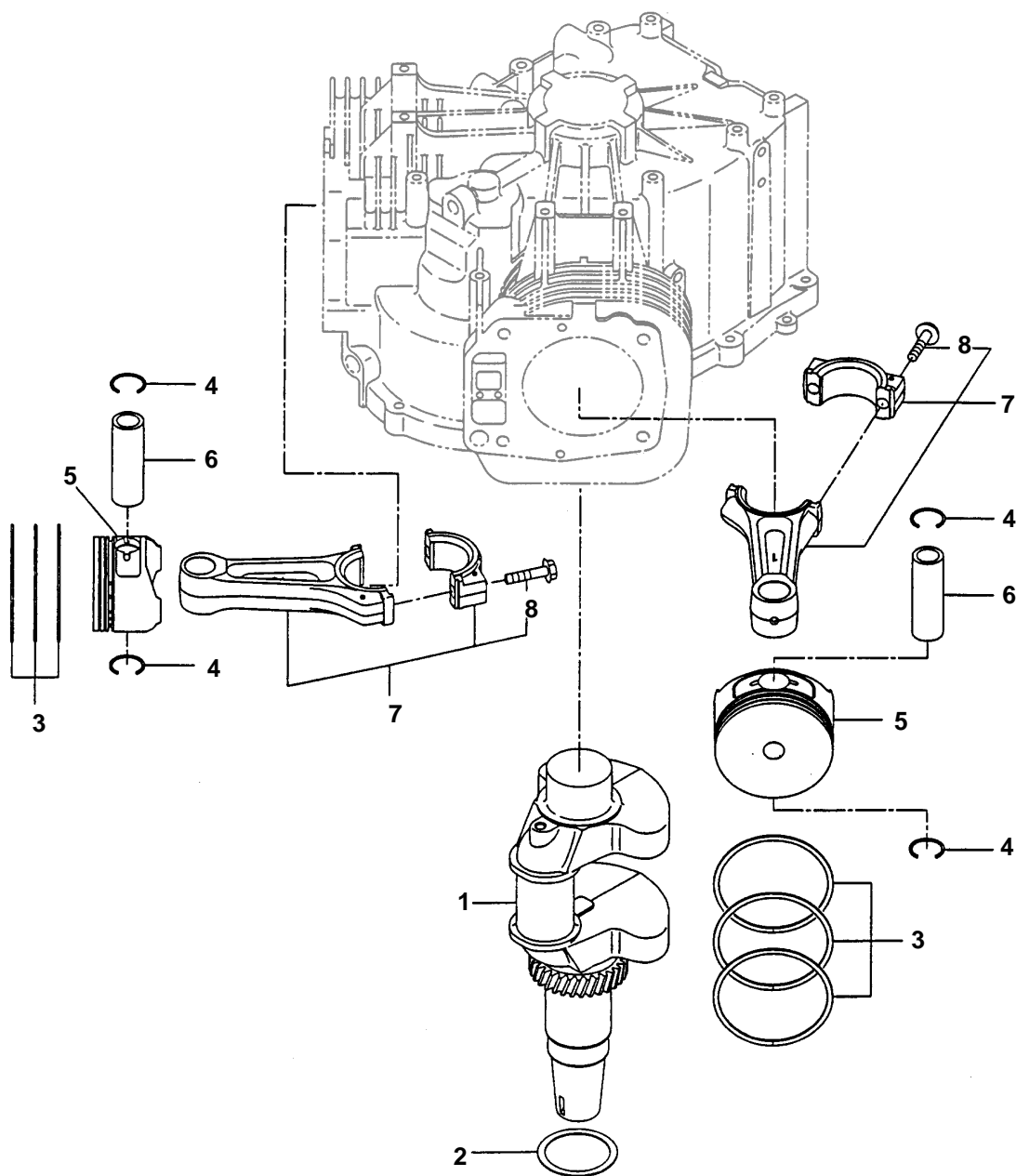
Cylinder Block



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	100-3438	1	Engine, Replacement	15	110-3929	1	Cover, Rocker (1)
1	187-6223	1	Block Assy, Cylinder (Includes Parts Marked *)	16	110-3930	1	Cover, Rocker (2)
2	187-6001	1	*Bearing, Main	17	187-6236	2	Gasket, Rocker Cover
3	187-6002	2	*Pin, Dowel	18	187-6224	1	Gasket, Cylinder Head (1)
4	187-6005	1	*Plug, Blind (w/Sealant)	19	187-6230	1	Gasket, Cylinder Head (2)
5	187-6006	1	*Seal, Oil	20	187-6025	2	Gasket, Breather Plate
6	187-6225	2	*Valve, Leaf	21	187-6026	1	Cover, Breather
7	187-6226	2	*Plate, Retainer	22	187-6238	1	Plate, Breather
8	187-6227	4	*Screw, Washer Assy	23	187-6030	4	Pin, Dowel
9	187-6232	1	Head, Cylinder (1) (Includes Guide and Stud W/Breather)	24	187-6033	8	Bolt, Flange
10	187-6233	4	Guide, Valve	25	187-6035	2	Bolt, Flange
11	187-6016	4	Stud	26	187-6241	8	Bolt, Flange
12	187-6015	2	Seal, Intake Valve	27	167-1638	2	Plug, Spark
13	187-6234	2	Seal, Exhaust Valve	28	518-0533	1/2	Clip, Hose (EFI, LP Vapor Sets)
14	187-6235	1	Head, Cylinder (2) (Includes Guides and Studs)				

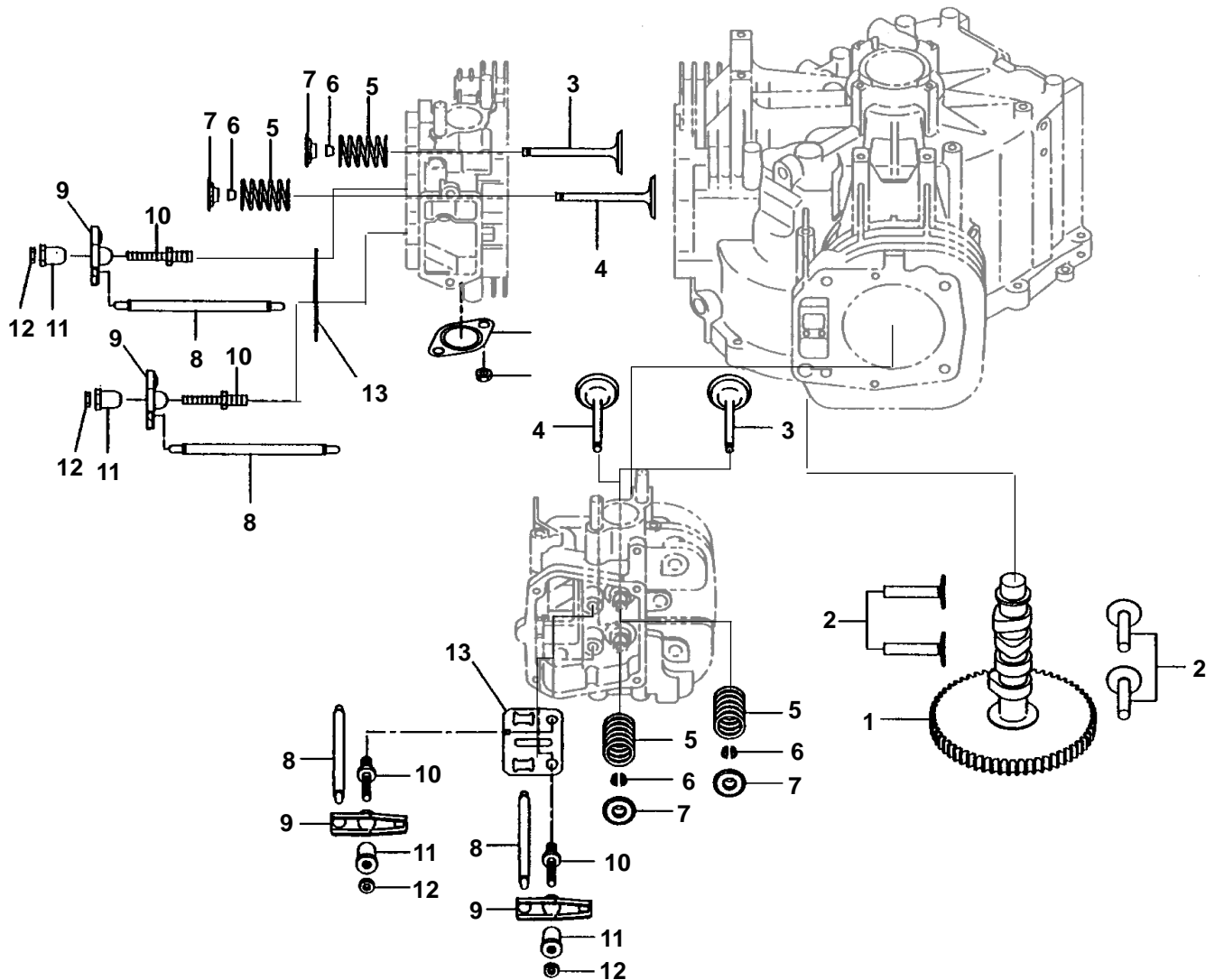
* - Parts Included in Cylinder Block Assy.

Crankshaft



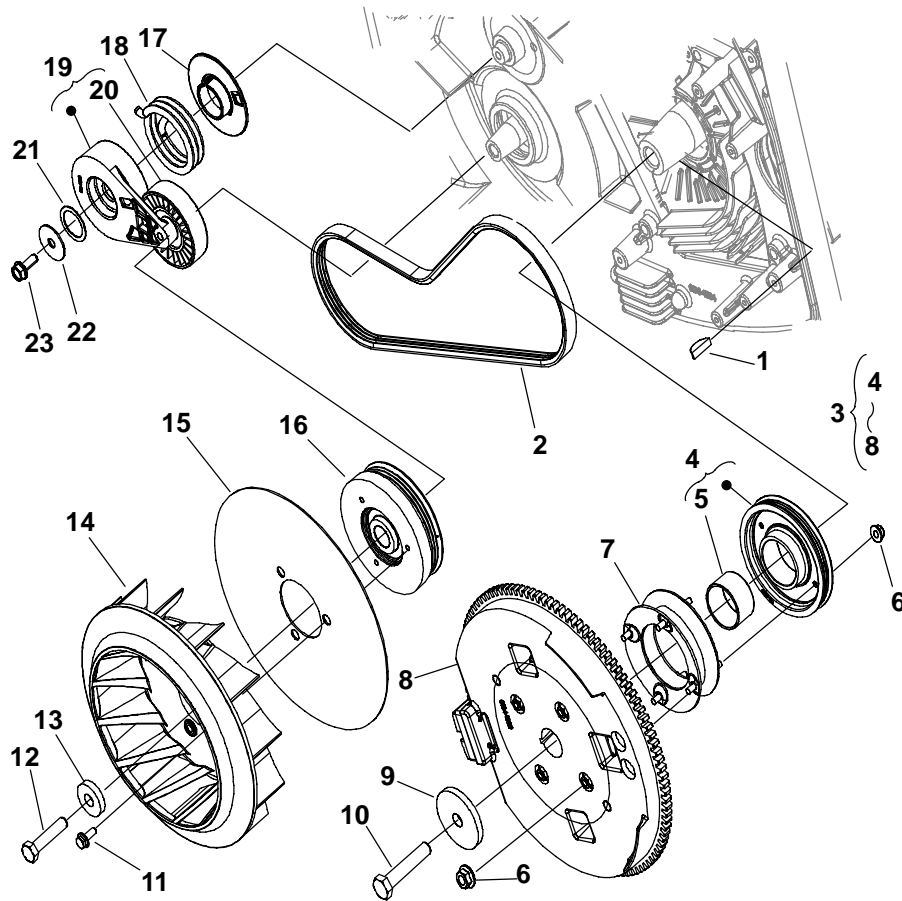
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-6242	1	Crankshaft	4	187-6045	4	Clip
2			Spacer	5			Piston
	187-6249	1	0.6		187-6042	2	Standard
	187-6250	1	0.8		187-6245	2	0.25 Oversize
	187-6251	1	1.0		187-6246	2	0.50 Oversize
3			Set, Piston Ring	6	187-6043	2	Pin, Piston
	187-6044	2	Standard	7	187-6243	2	Rod, Connecting (Includes Bolt)
	187-6247	2	0.25 Oversize	8	187-6244	2	Bolt, Connecting Rod
	187-6248	2	0.50 Oversize				

Camshaft



REF NO.	PART NO.	QTY USED	PAR DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-6252	1	Camshaft	8	187-6255	4	Rod, Push
2	187-6055	4	Tappet	9	187-6256	4	Arm, Rocker
3	187-6056	2	Valve, Intake	10	187-6257	4	Bolt, Pivot
4	187-6057	2	Valve, Exhaust	11	187-6258	4	Pivot
5	187-6058	4	Spring, Valve	12	187-6259	4	Nut
6	187-6059	8	Collet, Valve	13	187-6260	2	Plate, Guide
7	187-6060	4	Retainer, Spring				

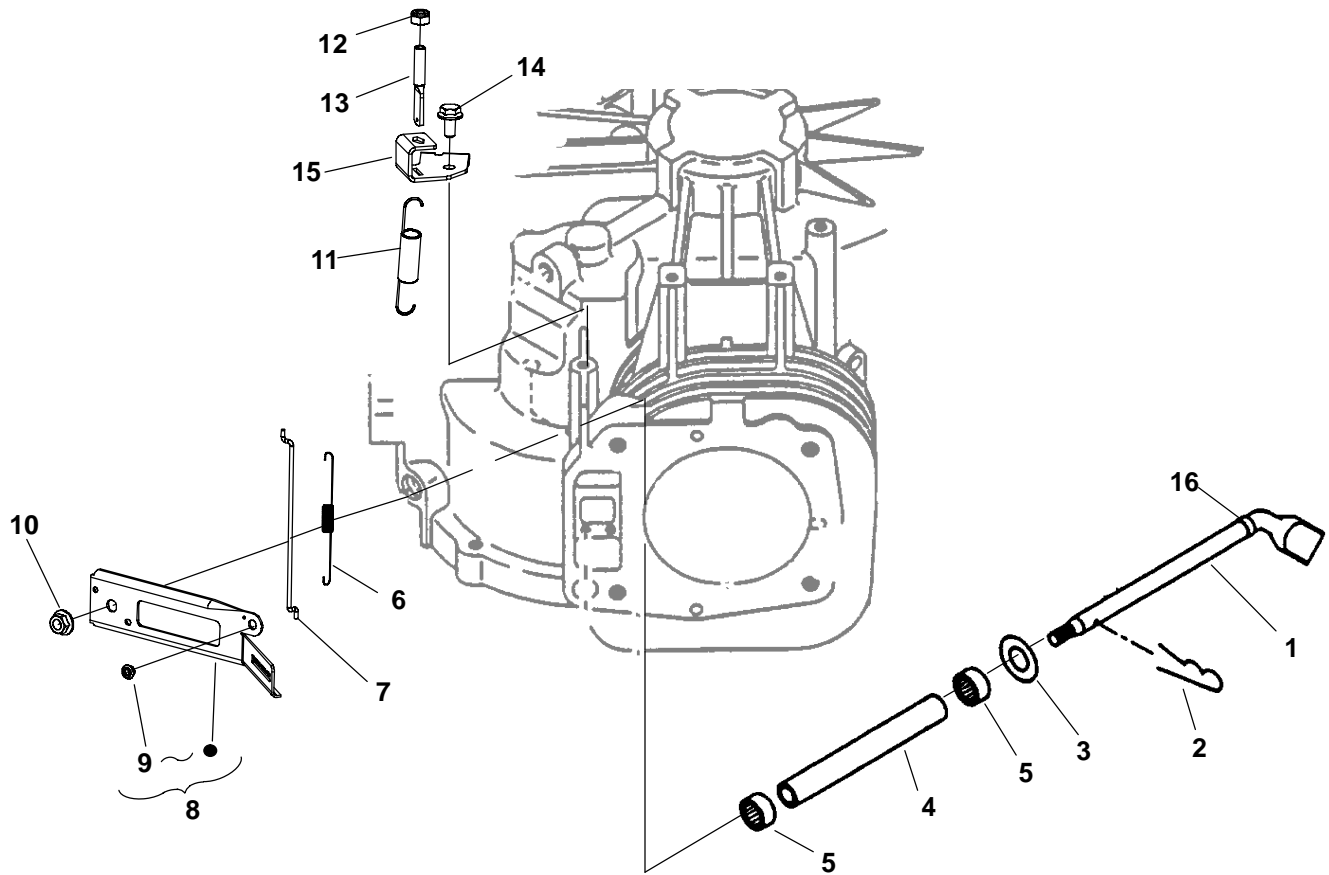
Flywheel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	515-0094	1	Key, Crankshaft Woodruff	12	718-1058	1	Screw, Hex Head Cap (M10 x 45mm)
2	511-0190-02	1	6.5 and 7kW	13	526-0017	1	Washer, Flat (15/32" ID x 1.25" OD)
	511-0190-01	1	5.5kW	14	205-0265	1	Fan, Generator
3			Flywheel Assy (Includes Parts Marked *)	15	205-0266	1	Backplate, Fan
	104-1958	1	Spec A/B	16			Pulley, Generator
	104-2000	1	Begin Spec C		512-0200	1	6.5 and 7kW
4			*Pulley Assy, Drive (Includes Bearing)		512-0194	1	5.5kW
	512-0208	1	Spec A/B	17	190-0754	1	Bushing, Tensioner
	512-0243	1	Begin Spec C	18	190-0753	1	Spring, Tensioner
5			*Bearing	19	190-0758	1	Arm Assy, Tensioner (Includes Pulley)
	104-1959	1	Spec A/B	20	512-0199	1	Pulley, Tensioner
	510-2020-01	1	Begin Spec C	21	190-0759	1	Washer, Tensioner
6	870-2065-02	8	*Nut, Hex Flange	22	526-0461	1	Washer, Flat (M9 x 34mm)
7	512-0268	1	*Coupling	23	815-0829-06	1	Screw, Hex Washer Head Thread Form (M8 x 1.25 x 20mm)
8			*Flywheel				
	104-1953	1	Spec A/B				
	104-1999-02	1	Begin Spec C				
9	526-0172	1	Washer, Flat (1/2" ID x 2.25" OD)				
10	815-0930	1	Screw, Cap (M12 x 1.25 x .60mm)				
11	821-2033	3	Screw, Lock Flange (M6 x 1 x 16mm)				

* - Parts Included in Flywheel Assy.

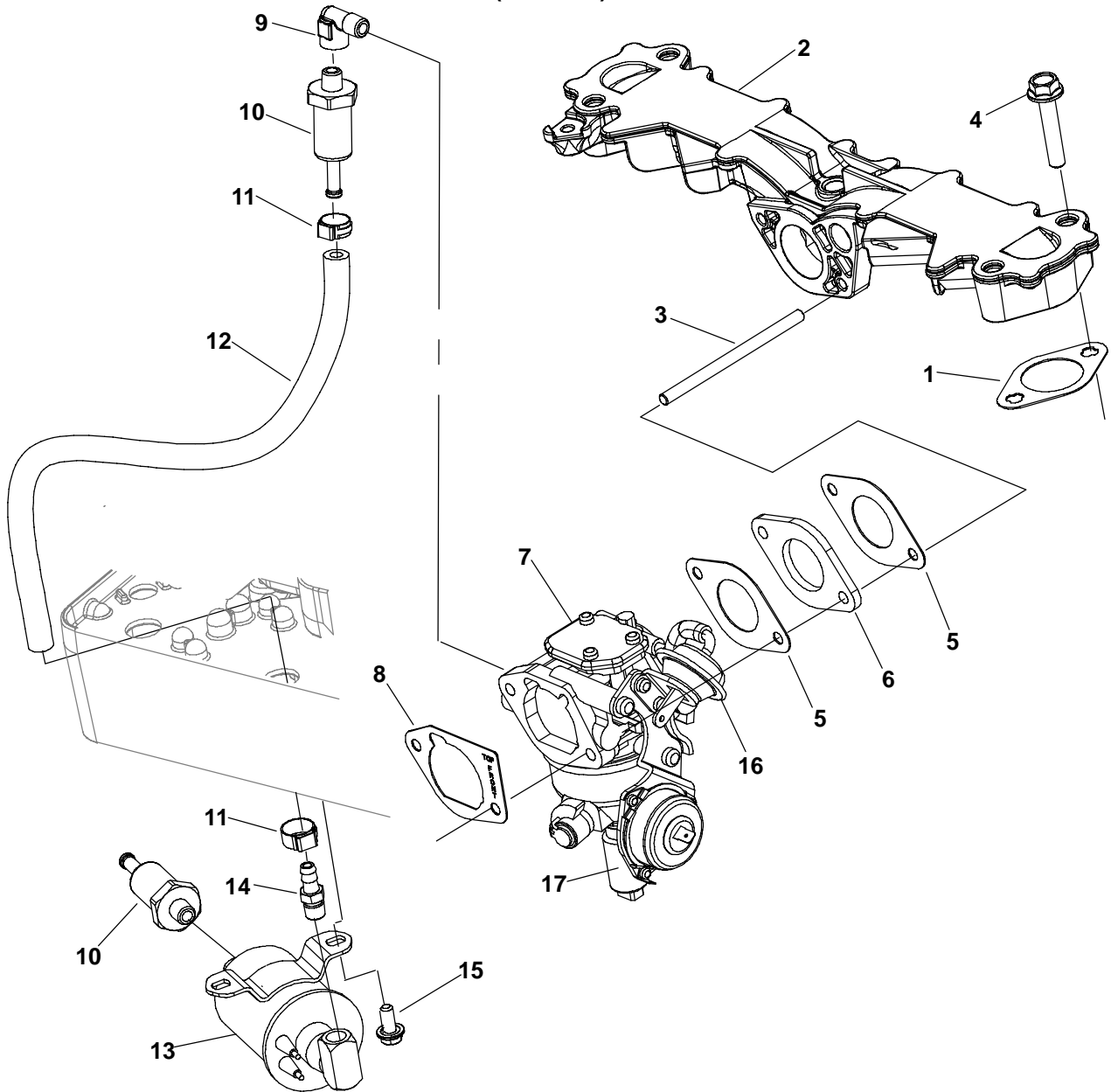
Governor



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-6270	1	Shaft, Governor Lever
2	187-6085	1	Pin, Snap
3	187-6092	1	Washer
4	187-6271	1	Spacer
5	187-6272	2	Bearing, Needle
6	150-2748	1	Spring, Tension
7	150-2745	1	Link, Throttle-
8	150-2771	1	Lever, Governor
9	505-1567	1	Bushing, Governor

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	870-0558	1	Nut, Left Hand (M6 x 1)
11	150-2747	1	Spring, Governor
	151-0777	1	7.0kW, 60 Hz, Gold
	151-0777	1	5.5kW, 60 Hz, Silver
12	870-0506	1	Nut, Nylon Lock (M6 x 1)
13	150-2744-02	1	Stud, Speed Adjust
14	821-2032	1	Screw, Flange Head Machine
15	150-2743	1	Bracket, Speed Control
16	187-6006	2	Seal

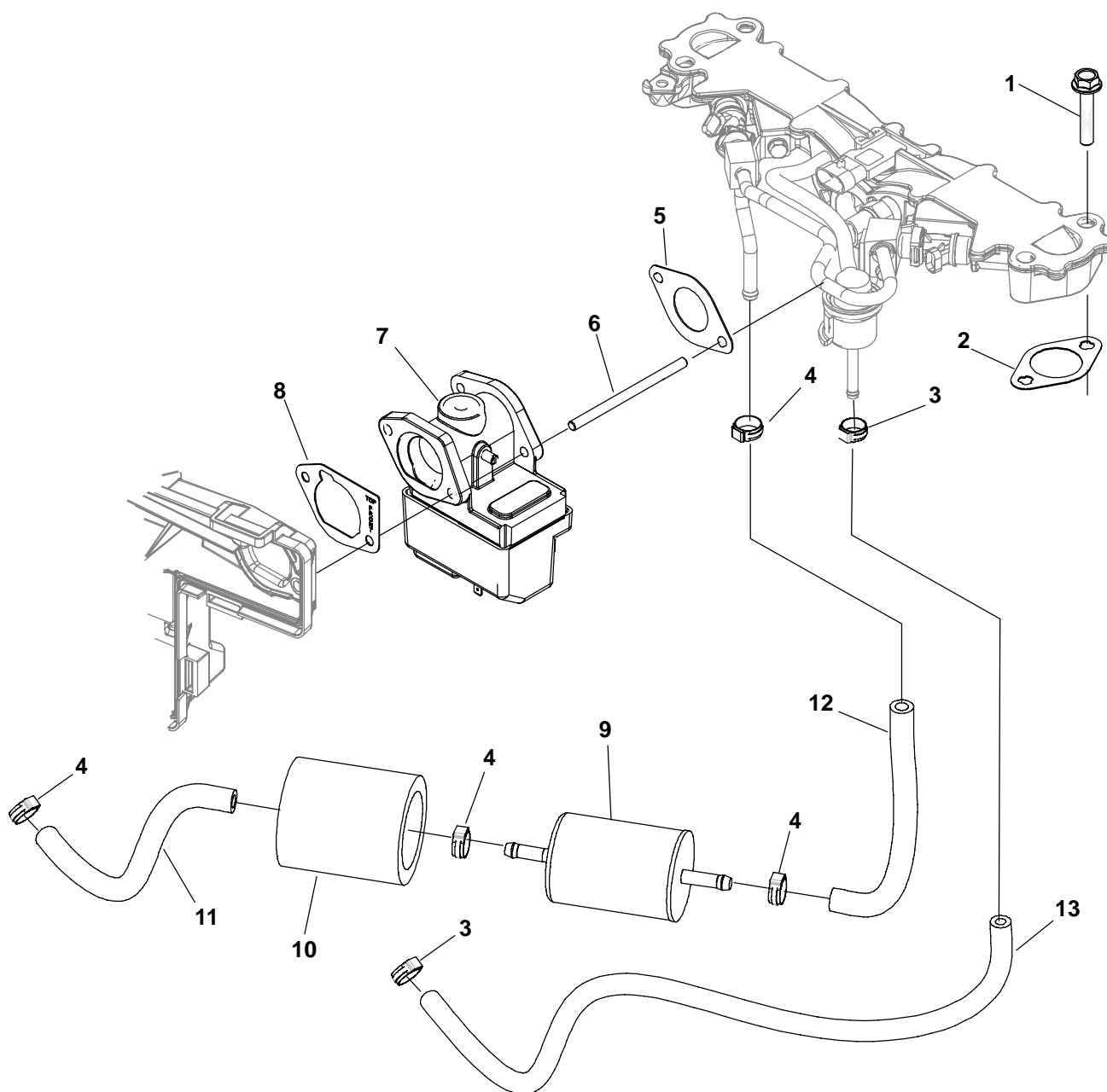
Carburetor (Gasoline)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	541-0765	1	Kit, Carburetor (Includes Parts Marked *)
1	154-3085	2	Gasket, Intake Manifold
2	154-3067-01	1	Manifold, Intake
3	520-1015	2	Stud (M6 x 1 x 96mm)
4	815-0954-08	4	Screw, Flange Head Machine (M8 x 1.25 x 42mm)
5	141-0982	2	*Gasket, Carburetor
6	146-0773	1	Insulator, Carburetor
7	146-0774	1	*Carburetor
8	141-0983	1	Gasket, Carburetor

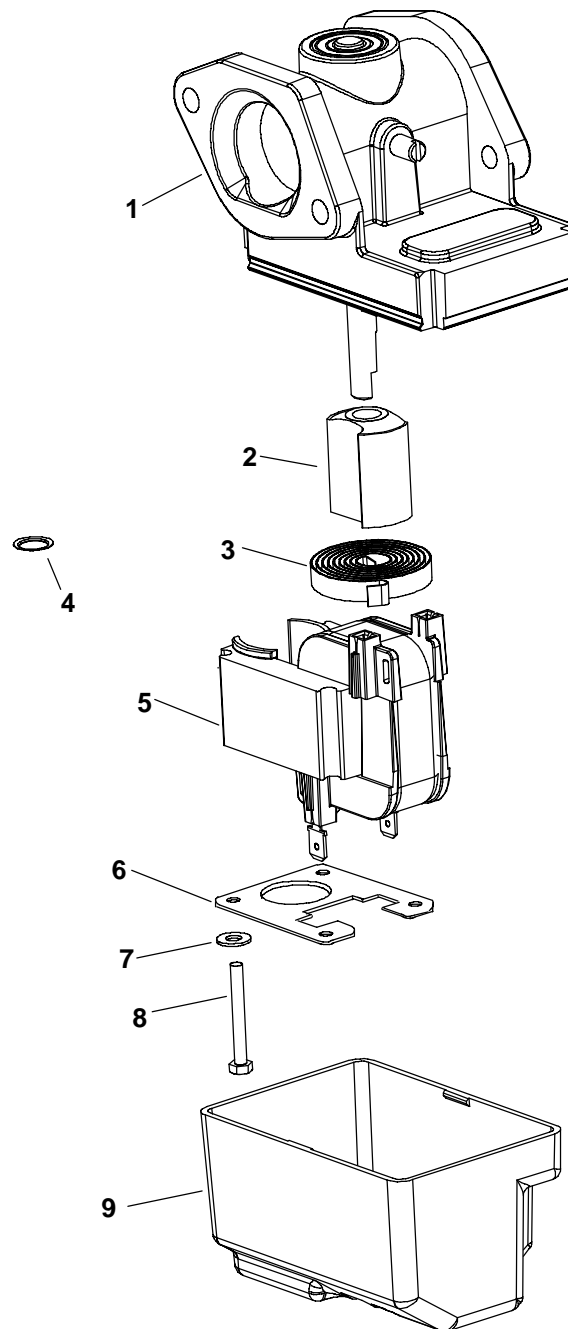
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	505-1573	1	Elbow, Steel Street (1/8)
10	149-2629	2	Filter, Fuel
11	503-1951-08	2	Clamp, Hose
12	503-2138-02	1	Hose, Fuel (1/4"ID x 1/2"OD) (355mm)
13	149-2620	1	Pump, Fuel
14	505-1572	1	Connector, Hose
15	815-0753	2	Screw, Hex Washer Head Thread Form (M6 x 14mm)
16	541-1222	1	Kit, Choke
17	146-0795	1	Cutoff, Fuel Solenoid

Throttle Body EFI (HGJAA)



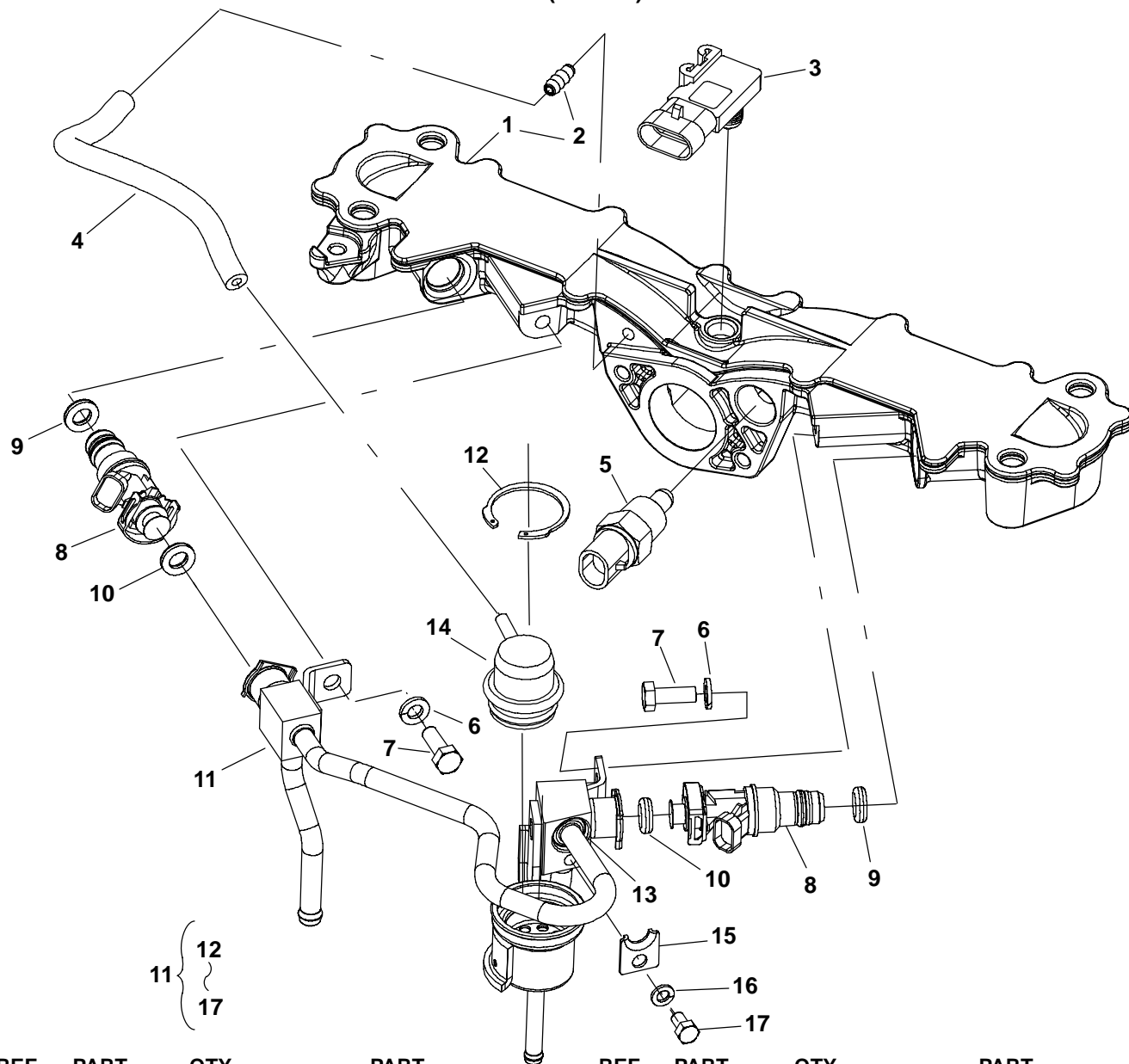
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0954-08	4	Screw, Flange Head Machine (M8 x 1.25 x 42mm)	8	141-0983	1	Gasket
2	154-3085	2	Gasket, Intake Manifold	9	147-0860	1	Filter, Fuel (EFI)
3	503-1951-08	2	Clamp, Hose	10	895-0394	1	Foam, Isolator
4	503-1951-13	4	Clamp, Hose	11	503-2136-02	1	Hose, Fuel (5/16ID) (216mm)
5	141-0982	1	Gasket	12	503-2136-01	1	Hose, Fuel (5/16ID) (183mm)
6	520-1015	2	Stud (M6 x 1 x 96mm)	13	503-2138-01	1	Hose, Fuel (1/4"ID) (635mm)
7	146-0782	1	Body Assy, Throttle (See Separate Page for Components)				

Throttle Body Components (HGJAA)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	146-0782	1	Body Assy, Throttle	6	146-0786	1	Retainer, Screw
1	146-0736	1	Body, Throttle	7	526-0003	4	Washer, Flat (3/16 ")
2	151-0718	1	Rotor, Governor	8	800-3009	4	Screw, Hex Head Cap
3	151-0723	1	Spring, Torsion	9	151-0719	1	Cover
4	518-0672	1	Ring, Retainer				
5	150-2685	1	Stator, Wound				

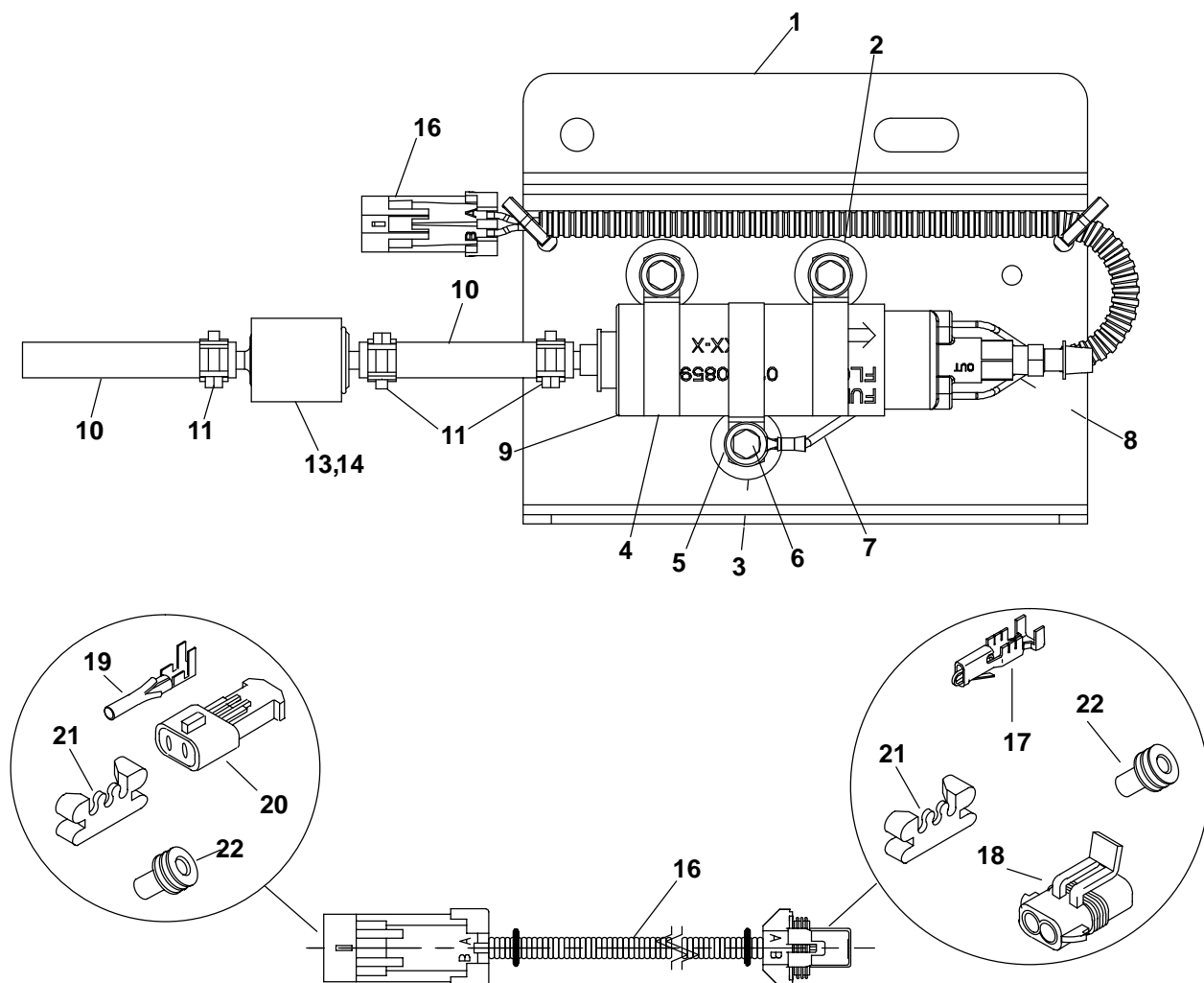
Intake Manifold EFI (HJGAA)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-3067-02	1	Manifold Assy, Intake (Includes Hose Connector)	11	147-0855	1	Rail Assy, Fuel (Includes Parts Marked *)
2	502-1314	1	Connector, Hose	12	147-0868	1	*Ring, Pressure Regulator Snap
3	193-0469	1	Sensor, Map	13	147-0865	1	*O'Ring (Not Part of Fuel Injector)
4	503-2126	1	Hose, Vacuum	14	147-0867	1	*Regulator, Fuel Pressure
5	193-0480	1	Sensor, Manifold Air Temperature	15	147-0866	1	*Clamp, Fuel Rail
6	850-2006	2	Washer, Split Lock (M6)	16	850-2005	1	*Washer, Split Lock (M5)
7	800-2033	2	Screw, Hex Head Cap (M6 x 1 x 16mm)	17	800-2000	1	*Screw, Hex Head Cap (M5 x 0.8 x8mm)
8	147-0856	2	Injector, Fuel (Includes Parts Marked #)				
9	147-0864	2	#O'Ring, Injector				
10	147-0865	2	#O'Ring, Injector				

* - Parts Included in Fuel Rail Assy.
See Remote Fuel Pump Kit for Fuel Pump.

Remote Fuel Pump Kit EFI (HGJAA)



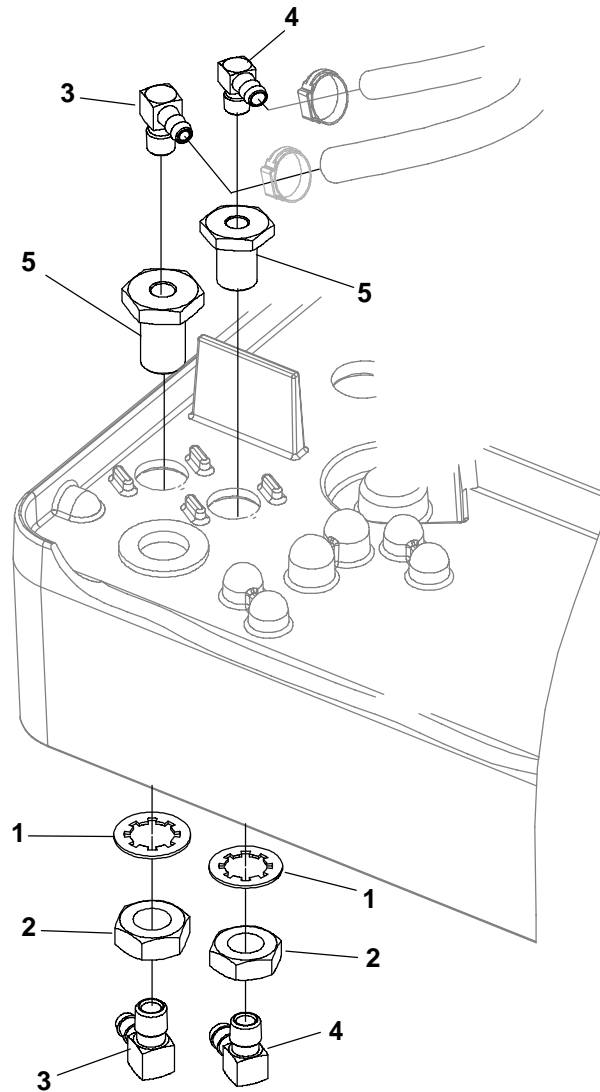
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	147-2715	1	Kit, Remote Fuel Pump Includes Models 600, 1273 97 and 1276
1	149-2640-02	1	Bracket, Pump
2	402-0760	3	Isolator, Vibration
3	870-0065	3	Nut, Hex Lock (1/4-20)
4	503-2190	3	Clamp, Loop(1.5 OD)
5	526-0018	3	Washer, Flat (1/4")
6	821-0009	3	Screw, Hex Head (1/4-20 x 1.5 ")
7	226-4813	1	Lead, Ground
8	815-0770	1	Screw, Hex Washer Head Thread Forming (10-32 x 1/2")
9	147-0859	1	Pump, Fuel (EFI)
10	503-2444-01	1	Hose, Fuel (1/4" ID, 6.25')
11	503-2447-01	1	Clamp, Hose (1/4")
12	503-2447-02	1	Clamp, Hose (5/16") (Packed Loose in Kit)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
13	149-2661	1	Filter, Fuel
14	149-2674	1	Cover, Fuel Filter
15	502-1511	1	Connector, Hose (Packed Loose in Kit)
16	338-3960-01	1	Harness, Remote Pump (15') (Includes Parts Marked #)
17	323-1709	2	Terminal, Socket
18	323-1884	1	Connector, 2 Pin
19	323-1707	2	Terminal, Pin
20	323-1889	1	Connector, 2 Pin
21	323-1890	2	Housing, Lock
22	323-1708	4	Seal, Cable

* - Parts Included in Remote Fuel Pump Kit

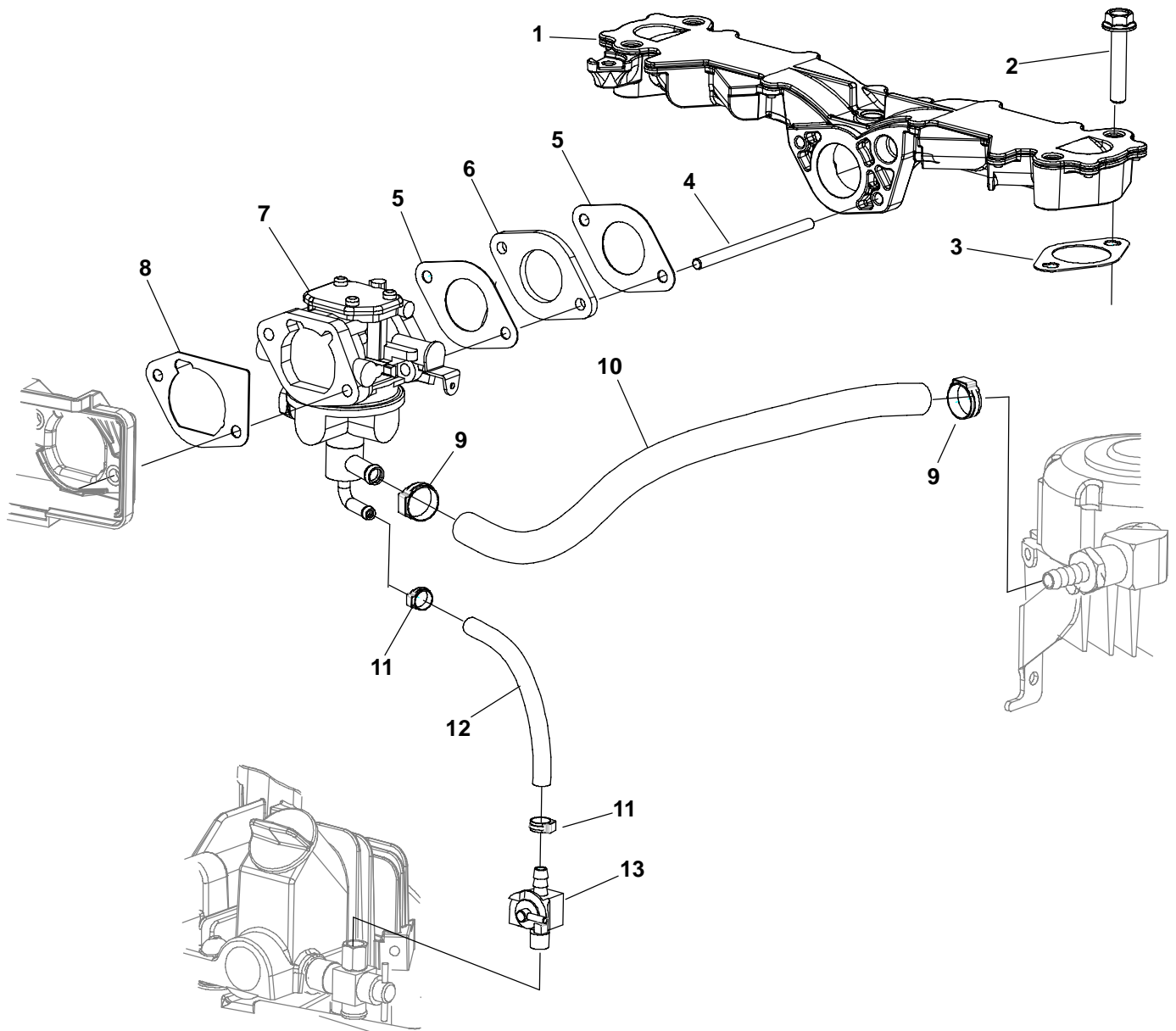
* - Parts Included in Remote Fuel Pump Kit

Bulkhead EFI (HGJAA)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	854-0028	2	Washer, IT Lock (5/8")	4	502-0313-02	2	Elbow, 90° Supply Hose (5/16" Hose ID)
2	868-0007	2	Nut, Hex Jam (5/8-18)	5	502-1296-02	2	Fitting, Bulkhead
3	502-0313	2	Elbow, 90° Return Hose (1/4" Hose ID)				

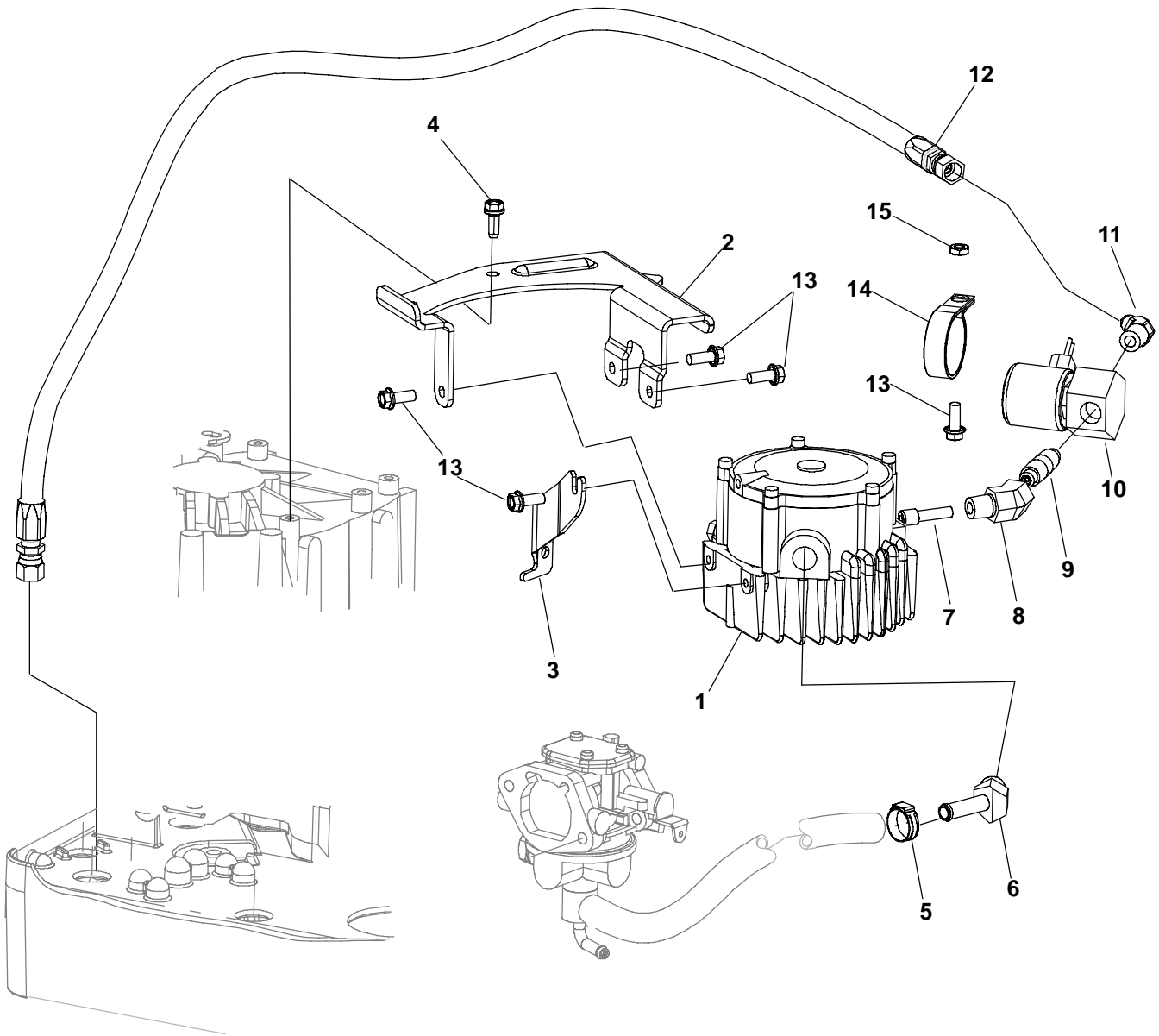
High Pressure Mixer (LP Liquid)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-3067-01	1	Manifold, Intake
2	815-0954-08	4	Screw, Flange Head Machine (M8 x 1.25 x 42mm)
3	154-3085	2	Gasket, Intake Manifold
4	520-1015	2	Stud (M6 x 1 x 96mm)
5	141-0982	2	Gasket, Carburetor
6	146-0773	1	Insulator, Carburetor
7			Mixer
	146-0790	1	HGJAA, HGJAB
	146-0796	1	HGJAC

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	141-0983	1	Gasket, Carburetor
9	503-1951-20	2	Clamp, Hose
10	503-2143-01	1	Hose, LP
11	503-1952-06	2	Clamp, Hose
12	503-2171-01	1	Hose, Drain
13	504-0203	1	Valve, Fuel Shutoff

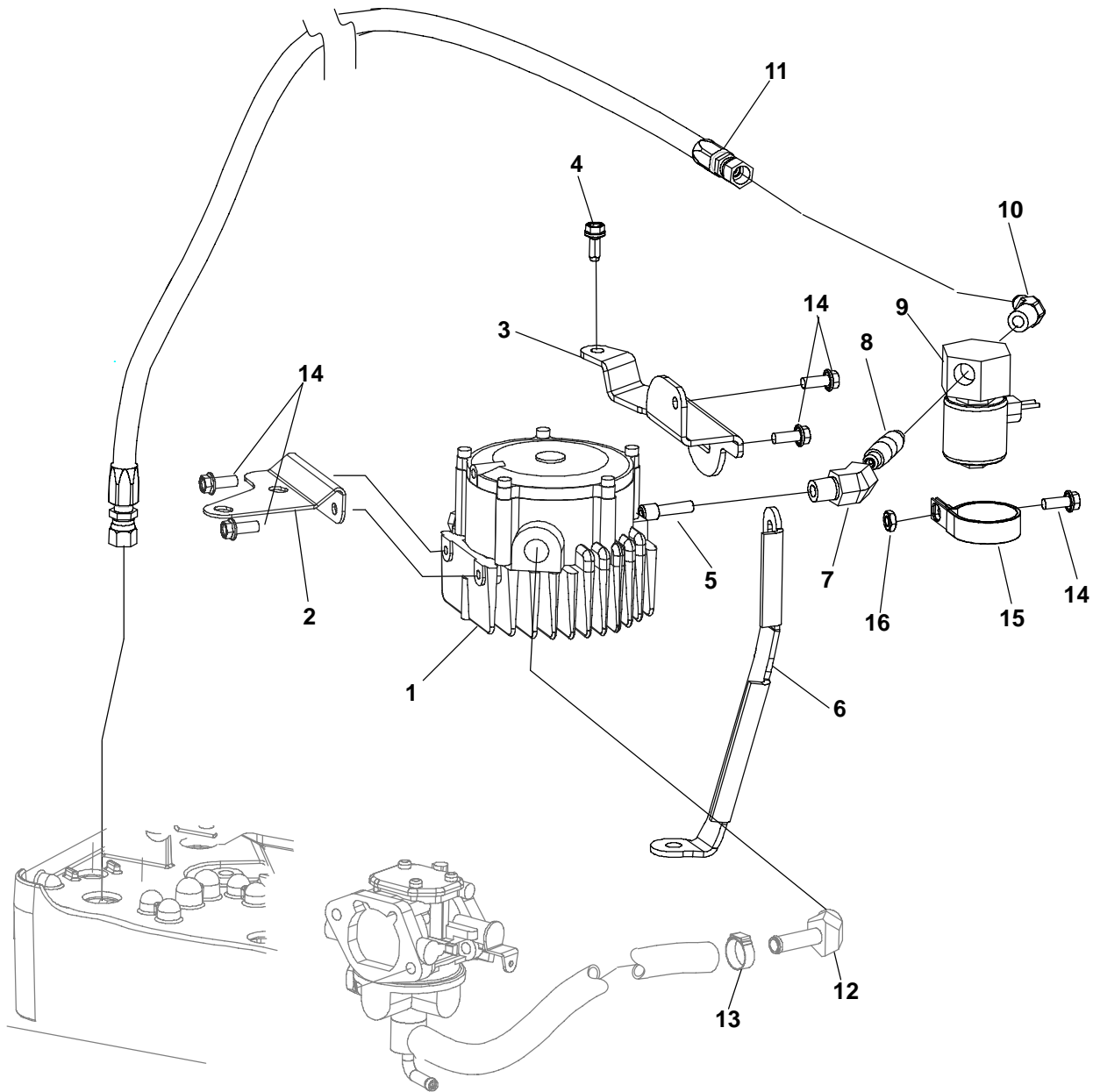
High Pressure Converter **HGJAA, HGJAB** **(LP Liquid)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-1203	1	Converter	10	307-2955	1	Valve, Fuel
2	148-1206-02	1	Bracket, Converter (IMPCO)	11	505-1589	1	Elbow, Male/Female (1/4 NPT)
3	148-1207-02	1	Bracket, Converter (IMPCO)	12	503-2144-01	1	Line, Fuel
4	815-0941-03	2	Screw Hex Head (M6 x 16mm)	13	821-0018	5	Screw, Locking Head (1/4-20 x 5/8")
5	503-1951-20	1	Clamp, Hose	14	518-0548-44	1	Clamp
6	505-1604	1	Elbow, Pipe 45°	15	870-0212	1	Nut, Hex Jam (1/4-20)
7	505-2023	1	Nipple, Pipe(LP)				
8	505-1585	1	Adapter, Elbow				
9	505-2026	1	Nipple, Pipe (W/Sealant)				

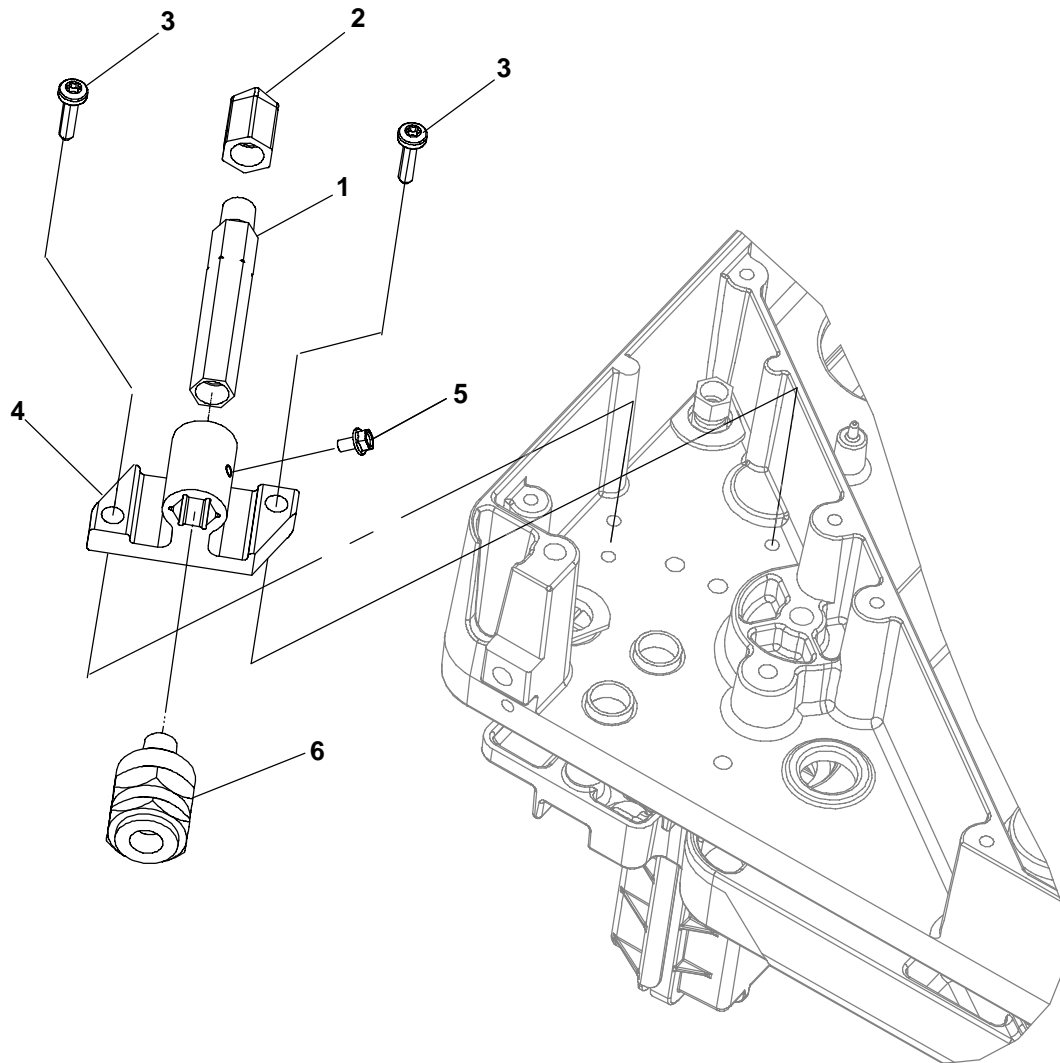
High Pressure Converter

LP Liquid (HGJAC)



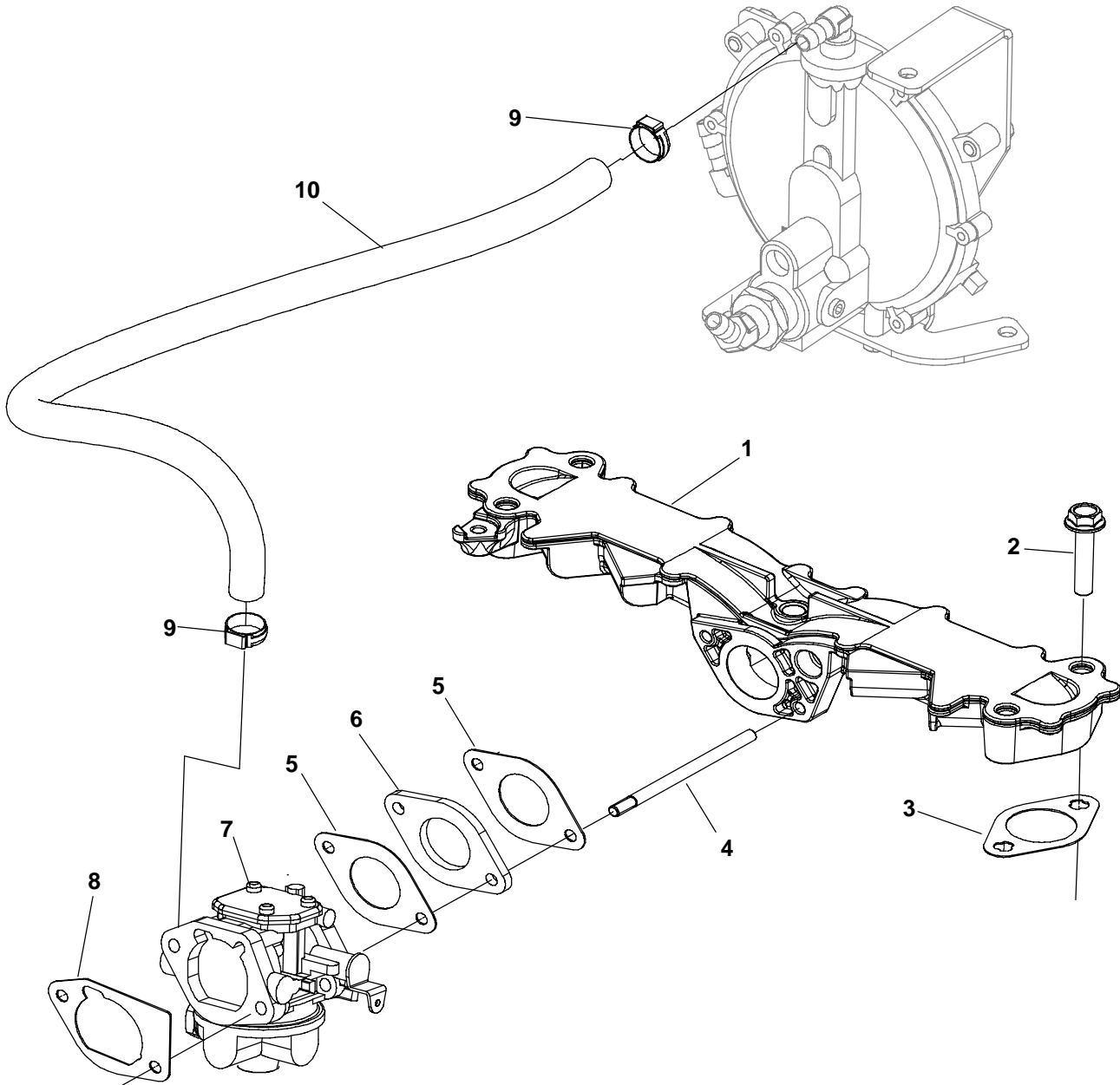
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-1203	1	Converter	10	505-1589	1	Adapter, Elbow
2	148-1205-02	1	Bracket, Converter (IMPCO)	11	503-2144-01	1	Line, Fuel
3	148-1215-02	1	Bracket, Converter (IMPCO)	12	505-1604	1	Elbow, Pipe 45°
4	815-0941-03	1	Screw Hex Head (M6 x 16mm)	13	503-1951-20	1	Clamp, Hose
5	505-2023	1	Nipple, Pipe (LP)	14	821-0018	5	Screw, Locking Head (1/4-20 x 5/8")
6	148-1208-02	1	Bracket, Converter	15	518-0548-44	1	Clamp
7	505-1585	1	Elbow, Male/Female (1/4 NPT)	16	870-0212	1	Nut, Hex Jam (1/4-20)
8	505-2026	1	Nipple, Pipe (W/Sealant)				
9	307-2955	1	Valve, Fuel				

Fuel Valve Shutoff (LP Liquid)



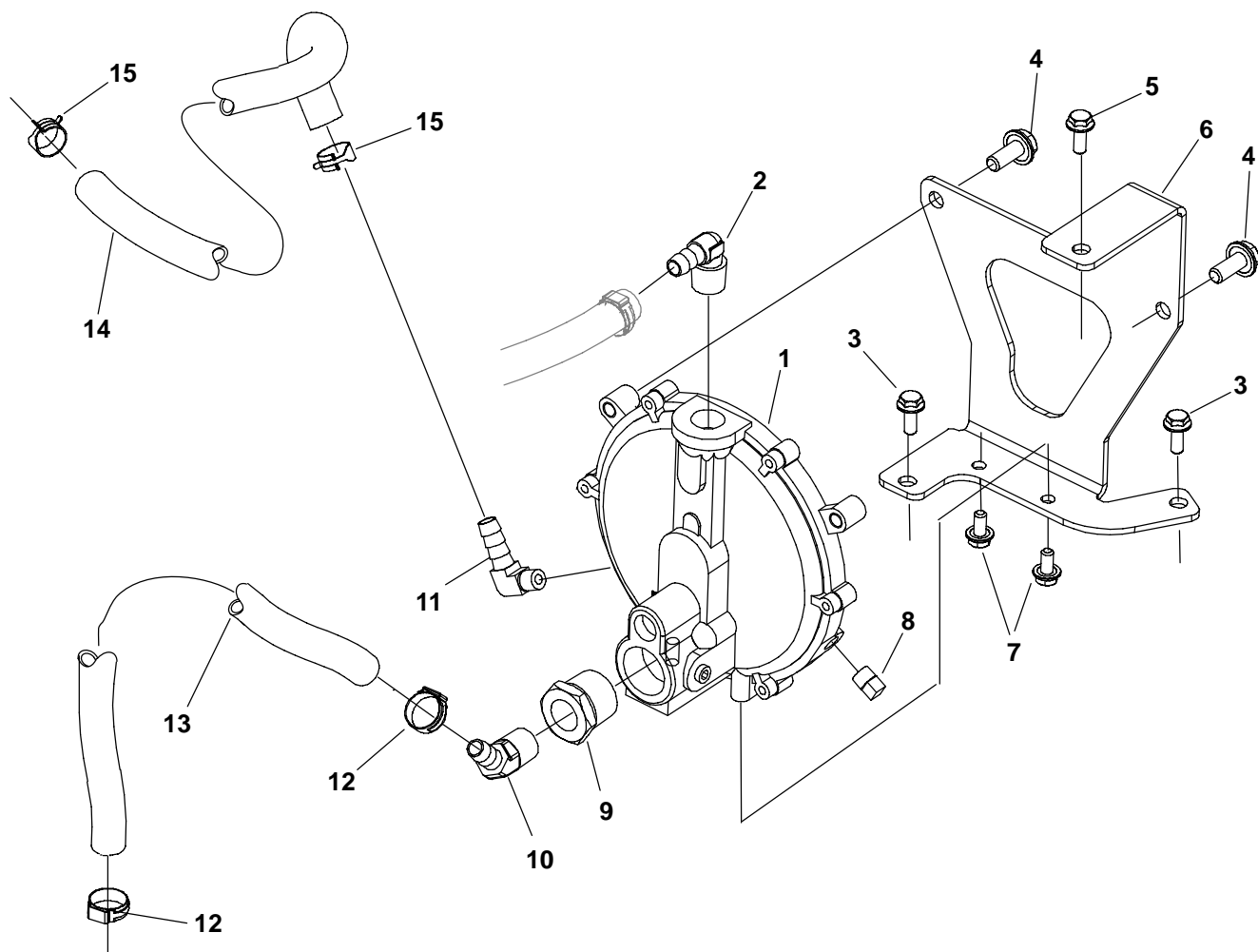
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-1587	1	Adapter, Male/Female (1/4NPT)	4	149-2645	1	Bracket, Mounting
2	502-1329-01	1	Elbow, 90° Pipe	5	821-0004	1	Screw, Lock (10-32 UNF x 5/6)
3	823-0003-04	2	Screw, Pan Head (M6 x 1 x 25mm)	6	149-2648	1	Filter, LP Fuel

(LP Vapor)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-3067-01	1	Manifold, Intake	6	146-0773	1	Insulator, Carburetor
2	815-0954-08	4	Screw, Flange Head Machine (M8 x 1.25 x 42mm)	7	146-0791	1	Mixer
3	154-3085	2	Gasket, Intake Manifold	8	141-0983	1	Gasket, Carburetor
4	520-1015	2	Stud (M6 x 1 x 96mm)	9	503-1951-20	2	Clamp, Hose
5	141-0982	2	Gasket, Carburetor	10	503-2143-02	1	Hose (690mm)

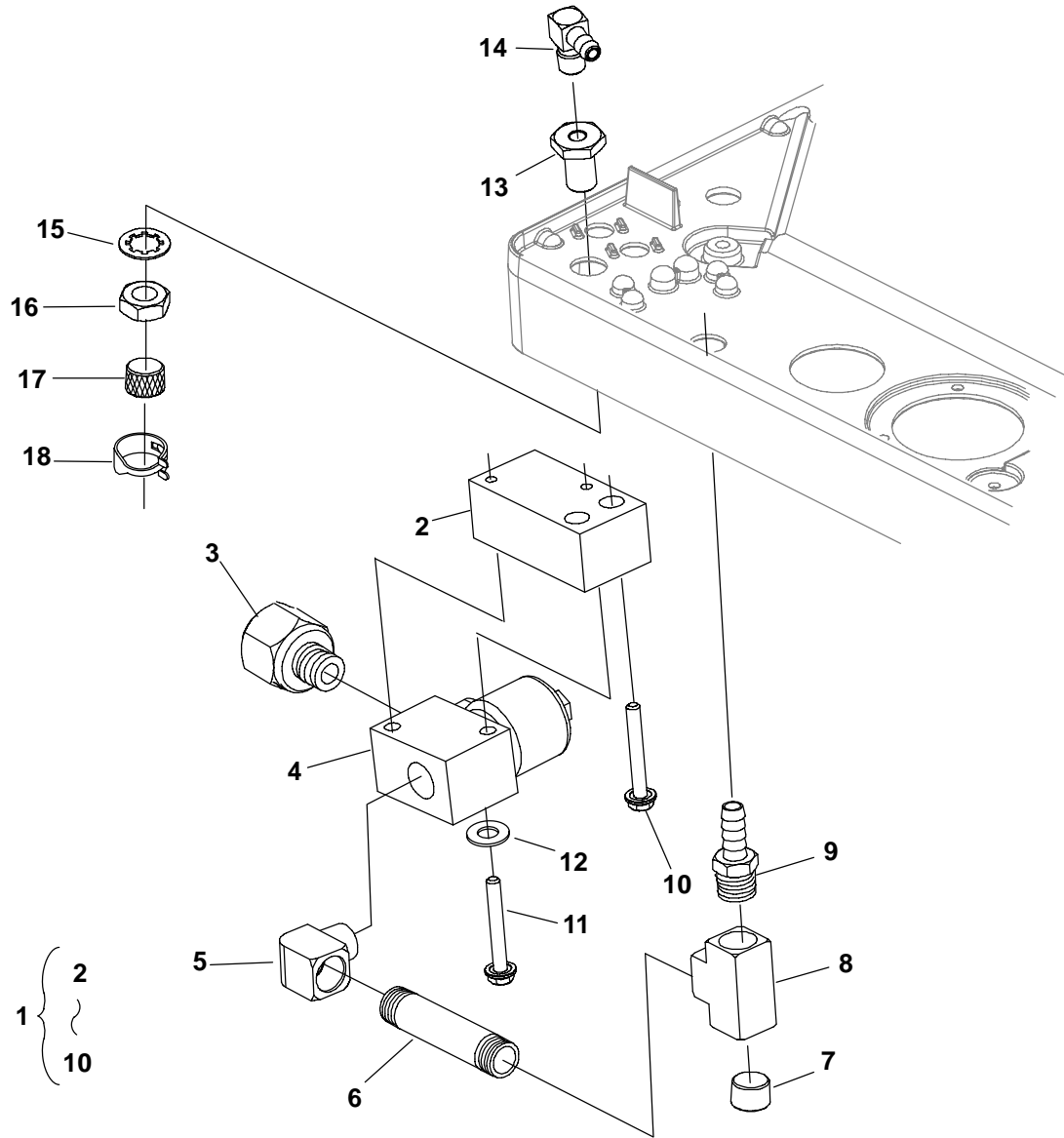
Low Pressure Regulator (LP Vapor)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-1145	1	Regulator
2	502-1345	1	Elbow, 90° Pipe
3	815-0753	2	Screw, Hex Washer Head Thread Form (M6 x 14mm)
4	821-2046	2	Screw, Lock Flange (M8 X 1.25 x 20mm)
5	821-2033	1	Screw, Lock Flange
6	148-1302-02	1	Bracket, Regulator
7	821-2032	2	Screw, Lock Flange (M6 X 1 X 12mm)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	505-0057	1	Plug, Square Head
9	502-1344-01	1	Bushing, Reducer
10	502-1346-01	1	Elbow, 45° Pipe
11	502-1353-01	1	Elbow, 90° Pipe
12	503-1951-20	2	Clamp, Hose
13	503-2143-03	1	Hose LP Vapor Fuel
14	503-2191	1	Hose, Bulk (3/8"ID) (99cm)
15	503-1445-04	2	Clamp, Hose

Solenoid Shutoff Valve (LP Vapor)

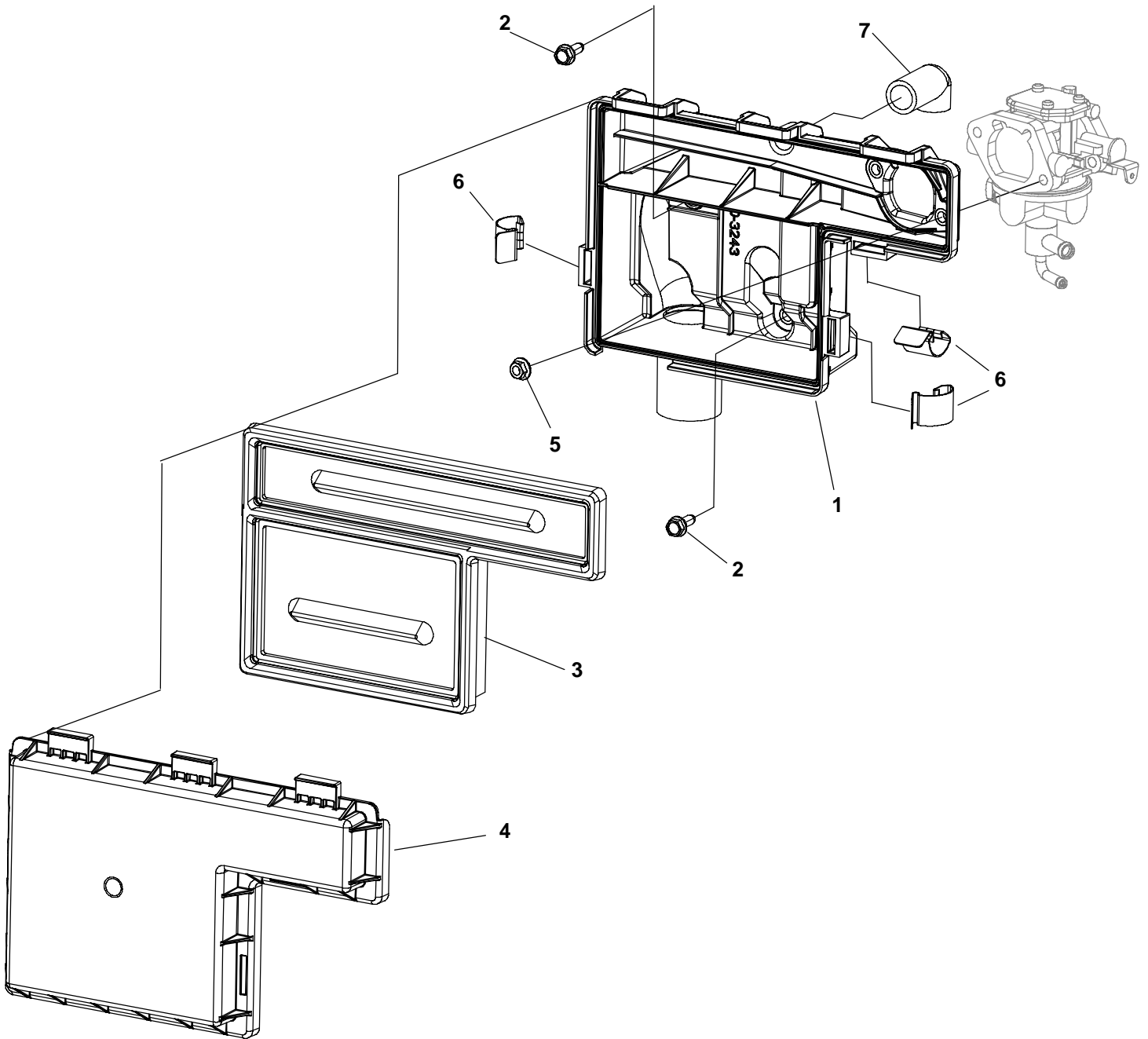


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2938	1	Solenoid Assy, Shutoff (Includes Parts Marked *)	11	800-2040	2	Screw, Hex Head Flange (M8 x 1-1/4 x 45mm)
2	149-2628	1	*Spacer, Solenoid	12	526-0018	2	Washer
3	502-1366	1	*Adapter, Pipe (3/8 NPT x 3/8 NPT)	13	502-1296-02	1	Fitting, Bulkhead
4	307-2935	1	*Valve, Fuel Shutoff	14	502-1353-01	1	Elbow, 90° Pipe
5	502-1347-01	1	*Elbow, 90° Street	15	854-0028	1	Washer, IT Lock (5/8")
6	502-1348-01	1	*Nipple, Pipe	16	868-0007	1	Nut, Hex Jam (5/8-18)
7	502-1339	1	*Plug, Pipe	17	148-1158	1	Screen, Vent
8	502-0090	1	*Tee, Pipe	18	503-1951-20	1	Clamp, Hose
9	502-1331-02	1	*Adapter, Pipe				
10	815-0776	2	*Screw, Hex Head Flange (M8 x 1.25mm)				

* - Parts Included in Shutoff Solenoid.

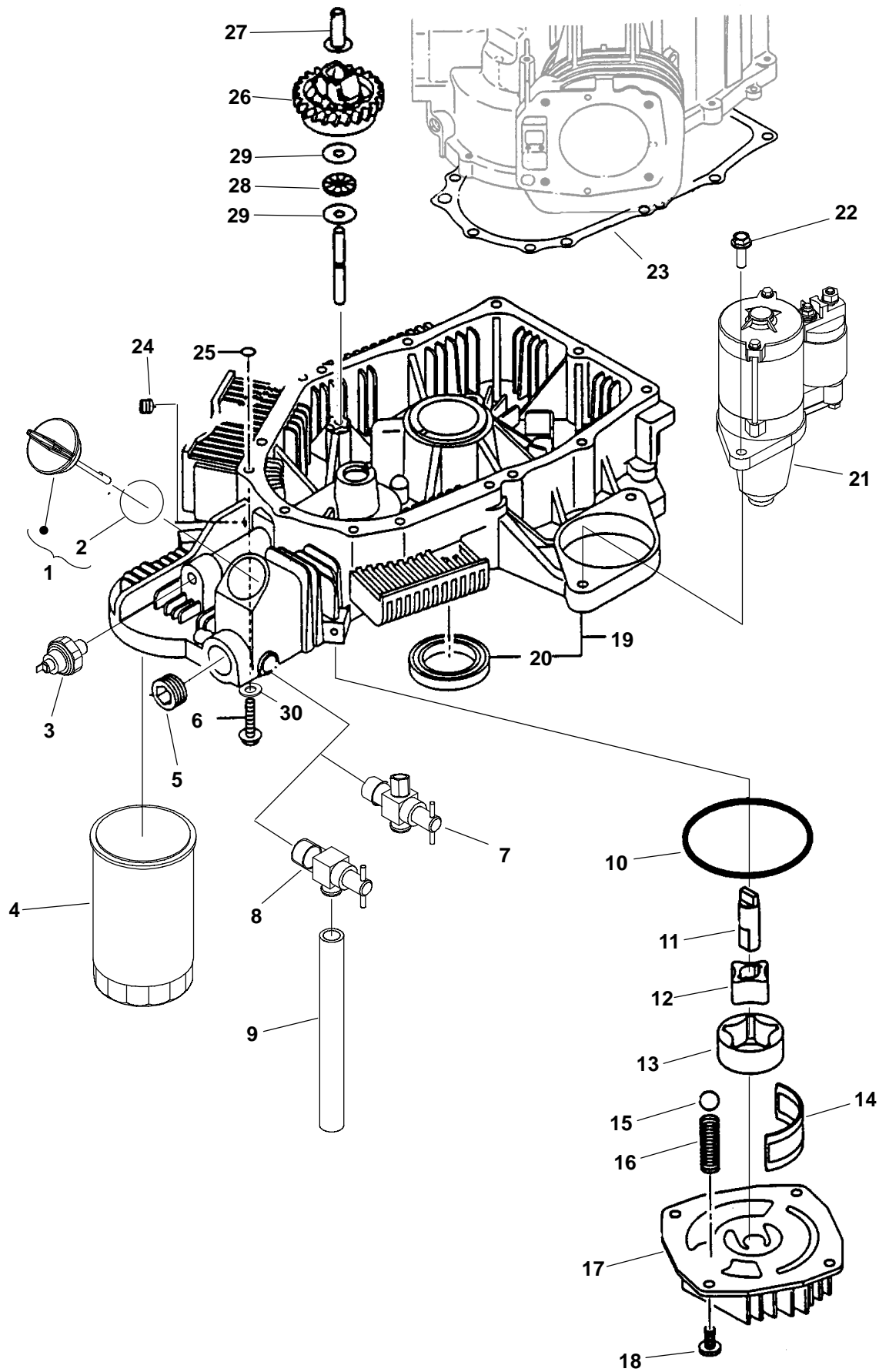
“Blank”

Air Cleaner



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3123	1	Housing, Air Cleaner	4	140-3122	1	Cover, Air Cleaner
2	815-0941-03	2	Screw, Hex Washer Head Thread Form (M6 x 1 x 18mm)	5	870-2065-02	2	Nut, Hex Flange
3	140-3116	1	Element, Air Cleaner	6	140-3121	3	Clip, Metal
				7	123-2109	1	Tube, Breather

Main Bearing Cover

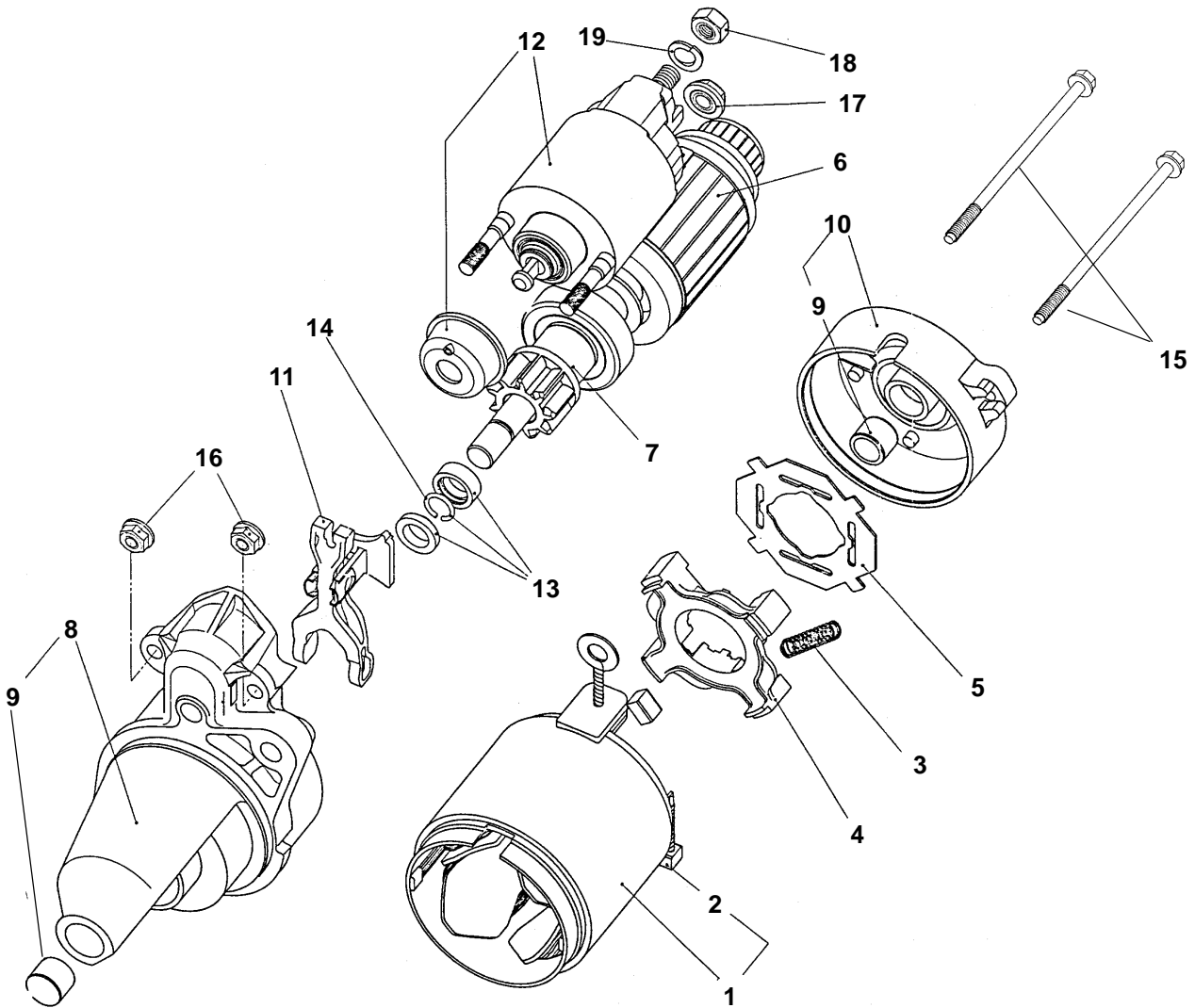


Main Bearing Cover

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	187-6266	1	Gauge, Oil (Includes O'Ring)	19	102-1491	1	Cover, Main Bearing (Includes Oil Seal)
2	509-0307	1	O'Ring	20	187-6228	1	Seal, Oil
3	187-6265	1	Switch, Oil Pressure	21	191-2231	1	Starter (See Separate Page for Components)
4	122-0836	1	Filter, Oil	22	815-0954-03	2	Screw, Flange Head Machine (M8 x 1.25 x 25mm)
5	187-6231	3	Plug, Drain	23	187-6237	1	Gasket, Main Bearing Cover
6	187-6240	10	Bolt, Flange (M8 x75mm)	24	187-6005	1	Plug, Blind
7	504-0204	1	Valve, Oil Shutoff (LP Liquid)	25	187-6239	2	O'Ring
8	504-0150	1	Valve, Oil Drain (LP Vapor Gasoline, EFI)	26	187-6229	1	Gear, Governor
9	503-0103	1	Hose, Oil Drain (6")	27	187-6011	1	Sleeve, Governor
10	187-6108	1	O'Ring	28	187-6036	1	Bearing, Thrust
11	187-6263	1	Shaft, Oil Pump	29	187-6012	2	Washer
12	187-6261	1	Rotor, Inner	30	526-0065	1	Washer
13	187-6262	1	Rotor, Outer				
14	187-6268	1	Filter, Oil Pump				
15	187-6112	1	Ball, Steel				
16	187-6111	1	Spring, Relief Valve				
17	102-1492	1	Cover, Oil Pump				
18	187-6269	4	Bolt, Flange				

* Starter Assy On Next Page

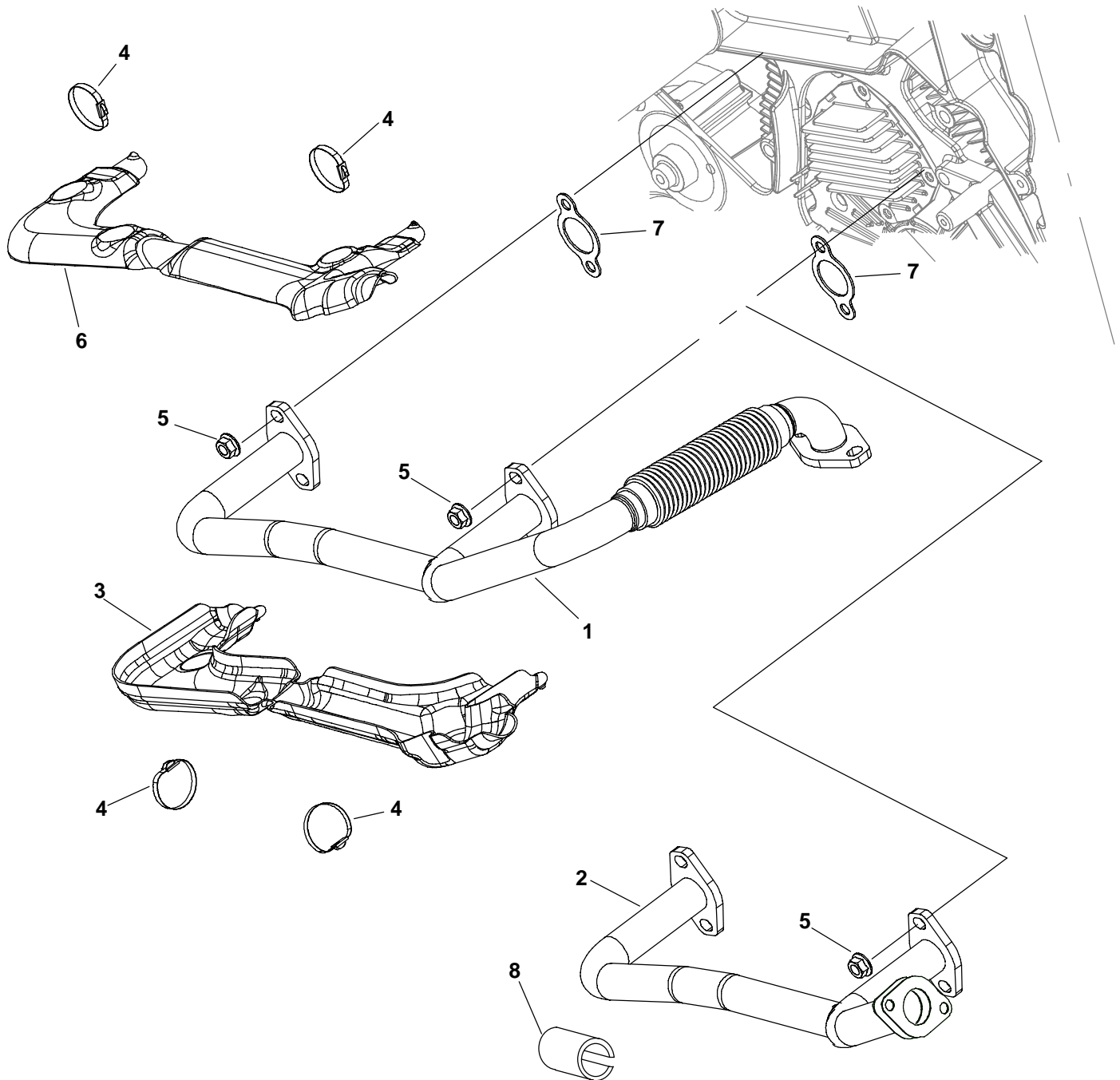
Starter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-2231	1	Starter	12	191-2302	1	Switch, Magnetic
1	191-2290	1	Yoke	13	191-2303	1	Kit, Starter Nut Pinion Stop
2	191-2291	4	Kit, Starter Brush	14	191-2304	1	Kit, Starter Snap Ring
3	191-2292	4	Spring, Brush	15	191-2305	2	Bolt, Through
4	191-2293	1	Holder, Brush	16	191-2306	2	Nut
5	191-2294	1	Insulator	17	191-2307	1	Nut
6	191-2295	1	Armature	18	860-2008	1	*Nut, Hex (M8 x 1.25)
7	191-2296	1	Clutch	19	850-2008	1	*Washer, Spring (M8)
8	191-2297	1	Housing				
9	191-2298	2	Bearing, Needle				
10	191-2299	1	Frame, Commutator End				
11	191-2301	1	Lever, Starter Drive				

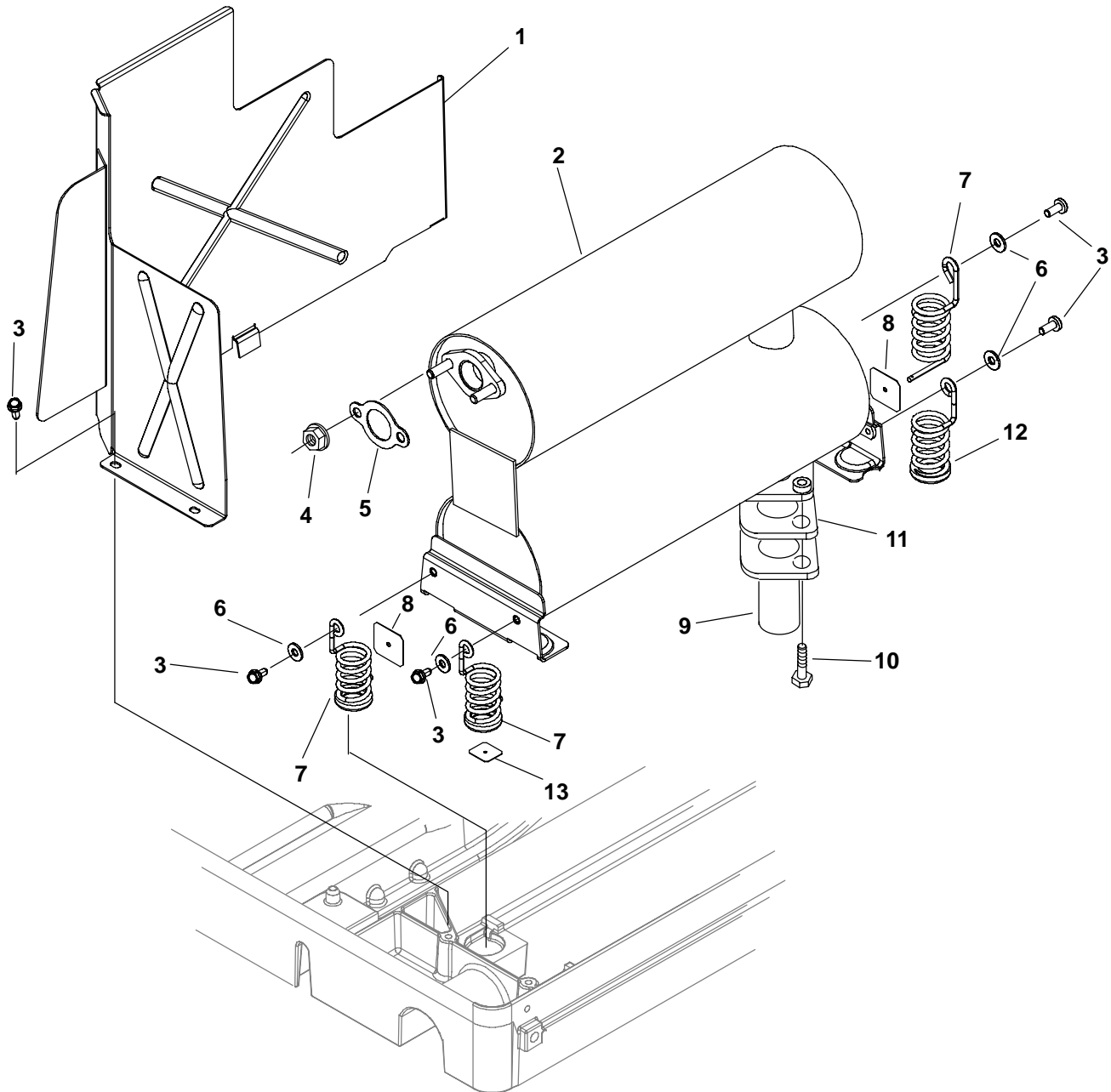
* - Parts NOT Included with Starter.

Exhaust Manifold



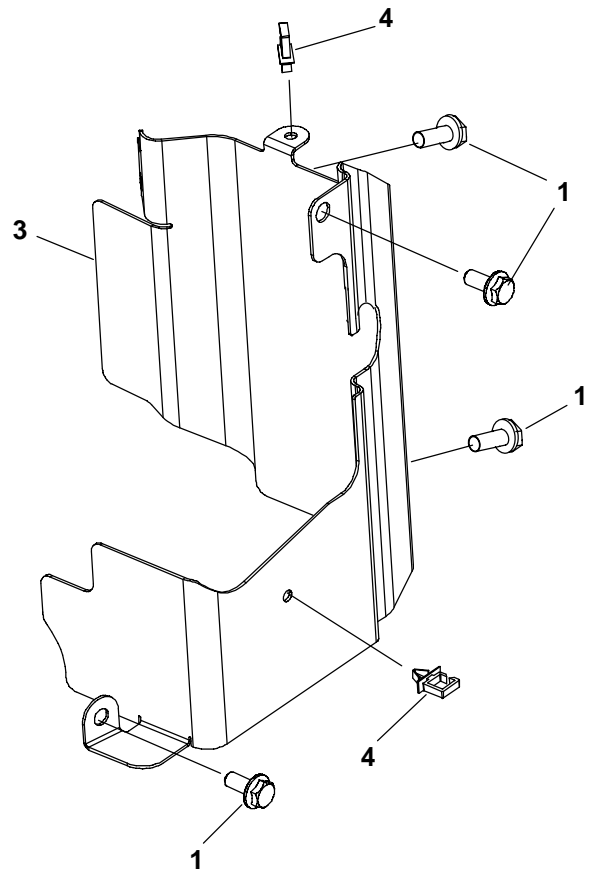
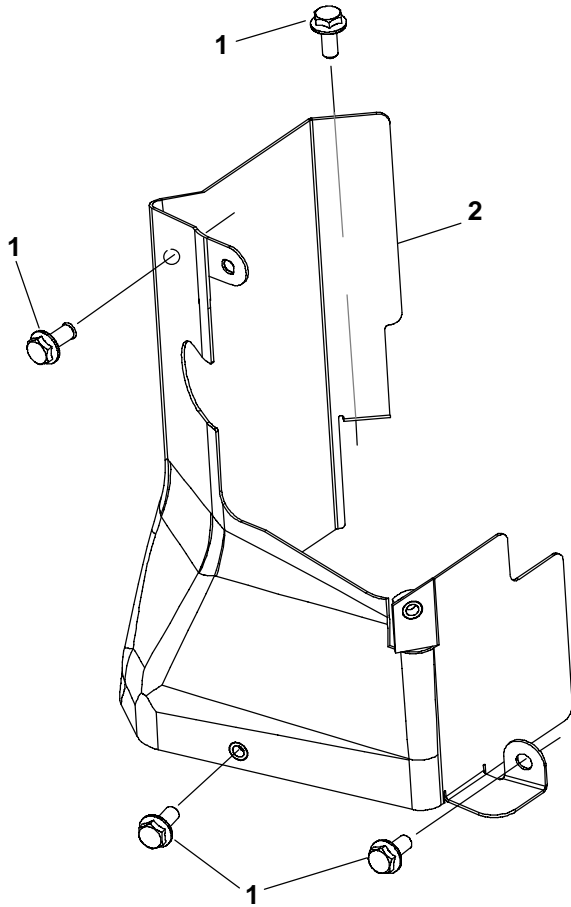
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-3103	1	Manifold, Exhaust (HGJAA, HGJAB) Housed sets)	5	870-0557	4	Nut, Hex Flange (M8 x 1.25")
2	154-3043	1	Manifold, Exhaust (Unhoused sets HGJAC)	6	154-3091	1	Shield, Exhaust Manifold (HGJAA, HGJAB)
3	154-3092	1	Shield, Exhaust Manifold (HGJAA, HGJAB)	7	154-2746	2	Gasket, Exhaust Manifold
4	503-2176	4	Tie, Stainless Steel (HGJAA, HGJAB)	8	405-6103	1	Insulation, Exhaust Manifold (Unhoused HGJAC)

Muffler (HGJAA, HGJAB)



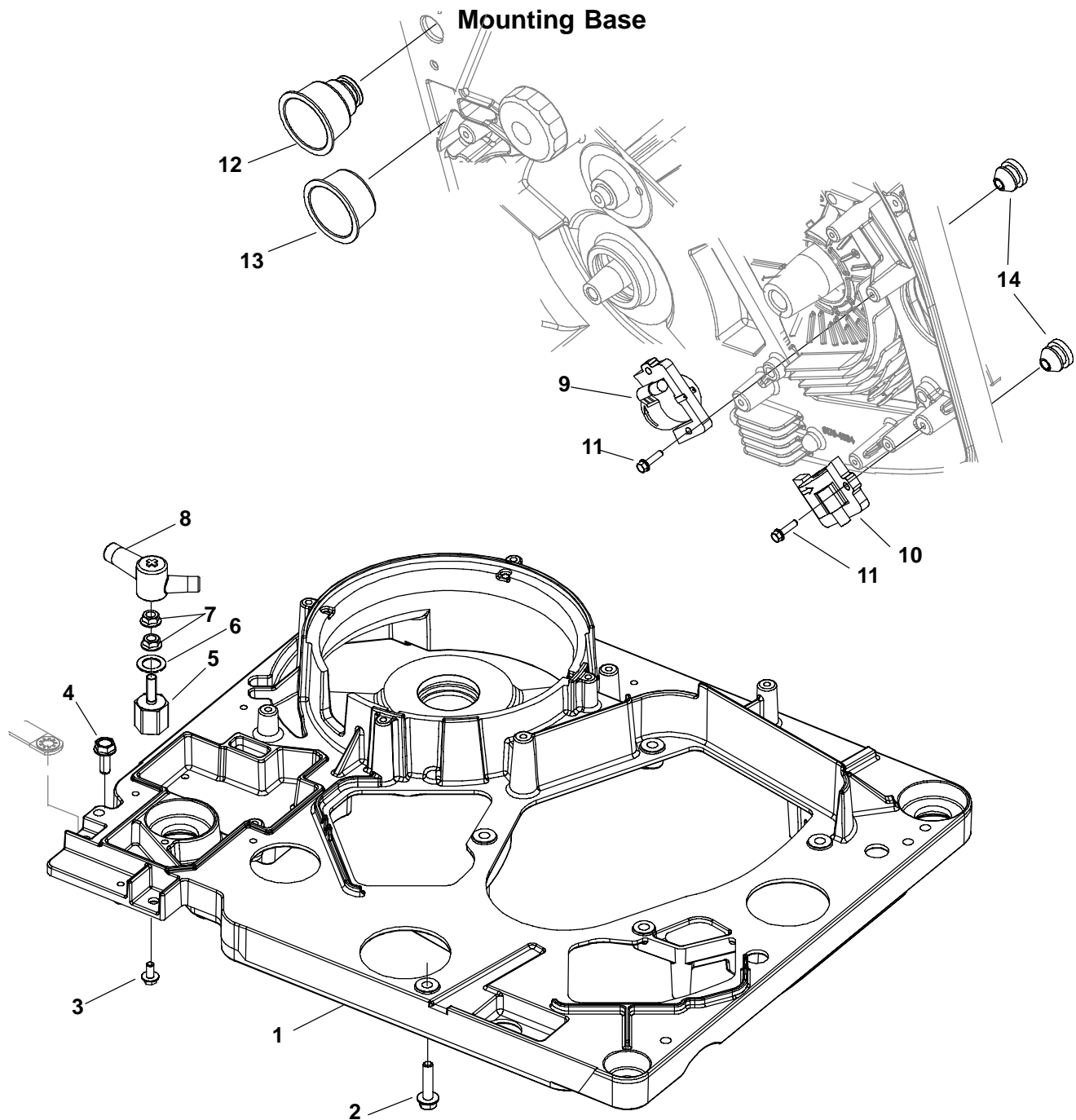
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	134-5212-01	1	Baffle, Exhaust LP Vapor and Gasoline	5	154-3112	1	Gasket, Muffler
	134-5212-02	1	LP Liquid	6	526-0018	4	Washer, Flat (1/4")
2	155-3178	1	Muffler, Exhaust HGJAA	7	402-0754	3	Snubber, Spring
	155-3387	1	HGJAB	8	870-0462	1	Nut, Push On
3	815-0753	7	Screw, Hex Head Thd Form (M6 x 1 x 14mm)	9	155-2610-02	1	Tube, Exhaust
4	870-0557	2	Nut, Hex Flange (M8 x 1.25mm)	10	800-0730	2	Screw, Hex Head Crescent
				11	154-2765	1	Gasket, Muffler
				12	402-0755	1	Snubber, Spring
				13	870-0462	8	Nut, Push-On

Air Cylinder Shroud



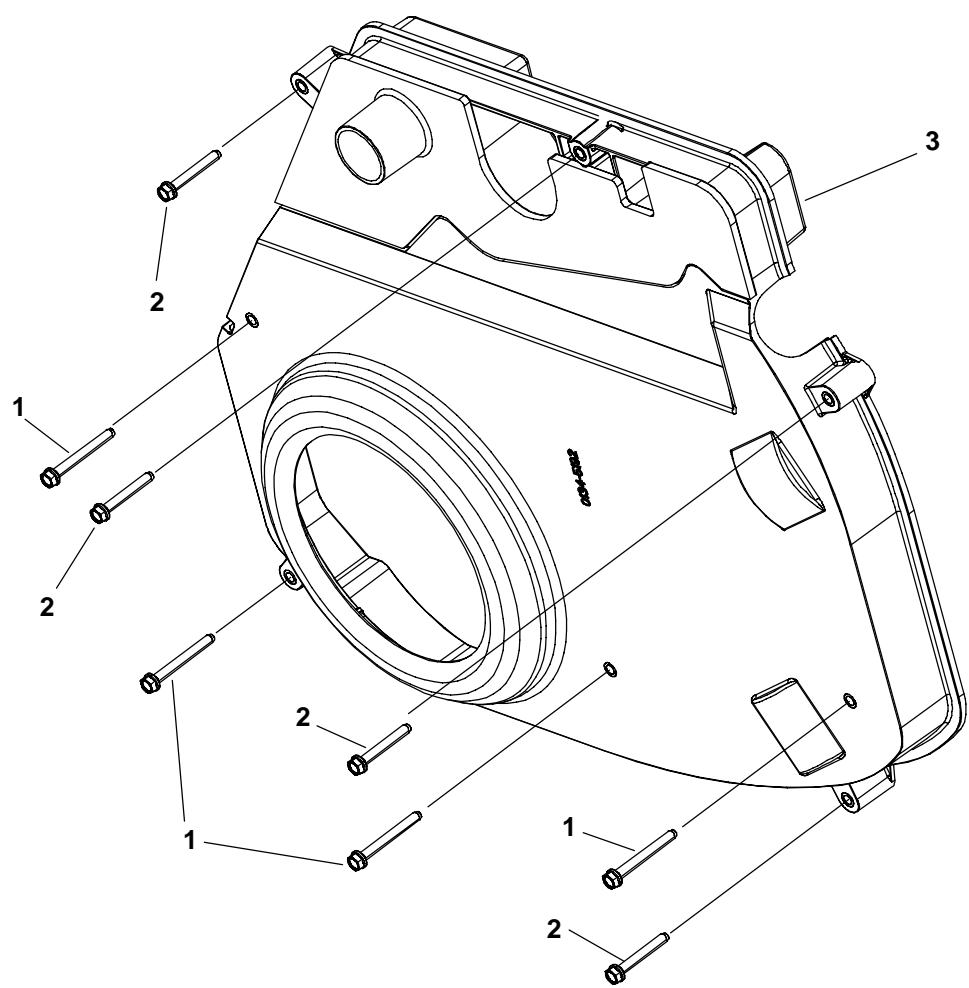
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0753	9	Screw, Hex Washer Head Thread Form (M6 x 1 x 14mm)
2	134-5188-02	1	Shroud, Cylinder (LH)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	134-5189-02	1	Shroud, Cylinder (RH)
4	332-2904	2	Clip, Wire



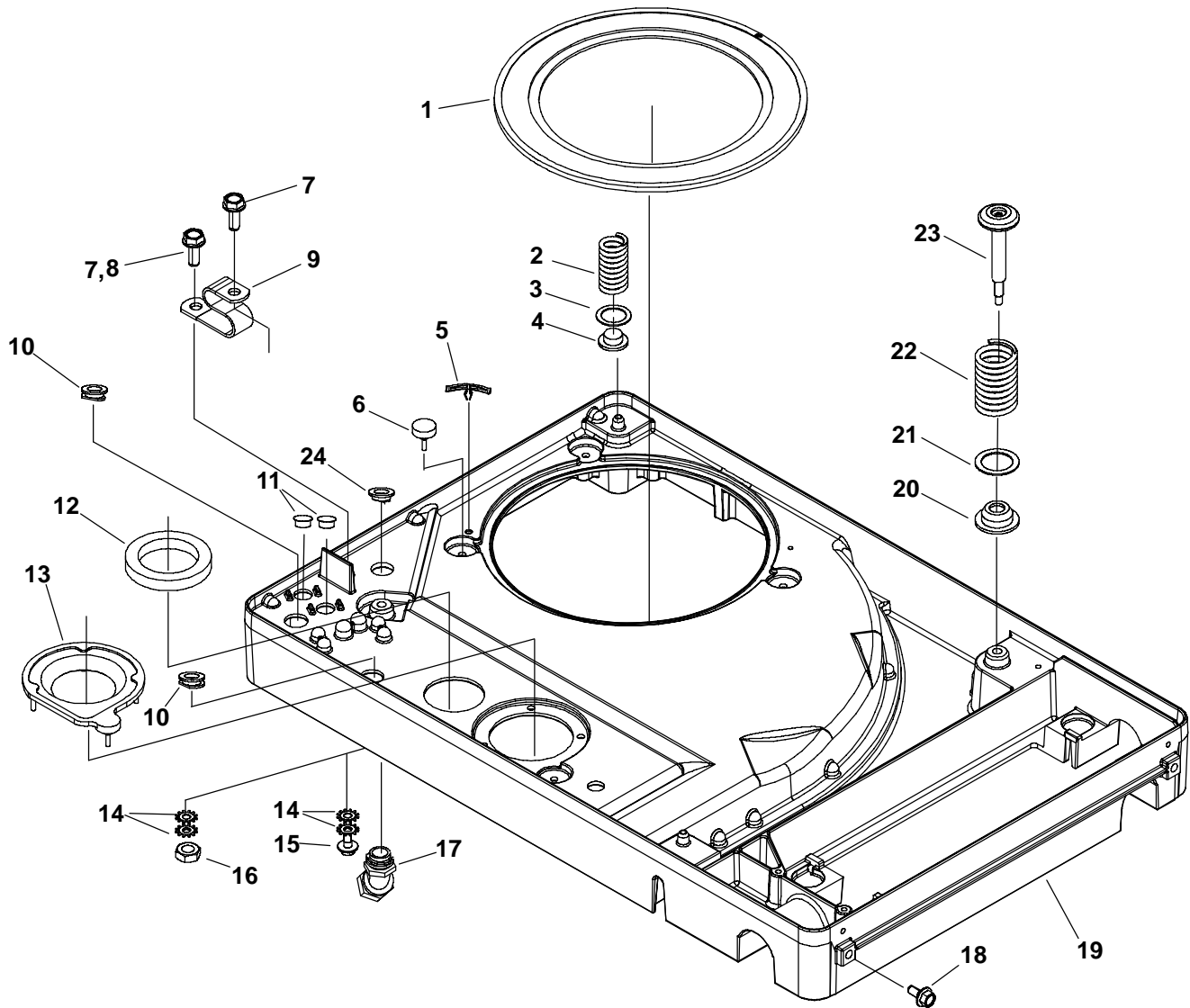
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4200	1	Base, Mounting	8	508-1142	1	Boot, Rubber Battery
2	815-0954-05	5	Screw, Flange Head Machine (M8 x 1.25 x 35mm)	9	166-0859-01	1	Coil, Ignition (800mm Lead)
3	821-0010	1	Screw, Lock Head (1/4-20 x 1/2")	10	166-0859-02	1	Coil, Ignition (573mm Lead)
4	821-0028	1	Screw, Lockhead	11	815-0793-05	4	Screw, Hex Flange Thread Form (M5 x 0.8 x 20mm)
5	332-3708	1	Standoff, Insulated	12	508-1133	1	Boot, Rubber Wiring
6	850-0045	1	Washer,	13	140-3212	1	Hose, Air
7	870-2222	2	Nut, Hex Flange (5/16-18)	14	508-1134	2	Grommet, Ignition

Fan Shroud



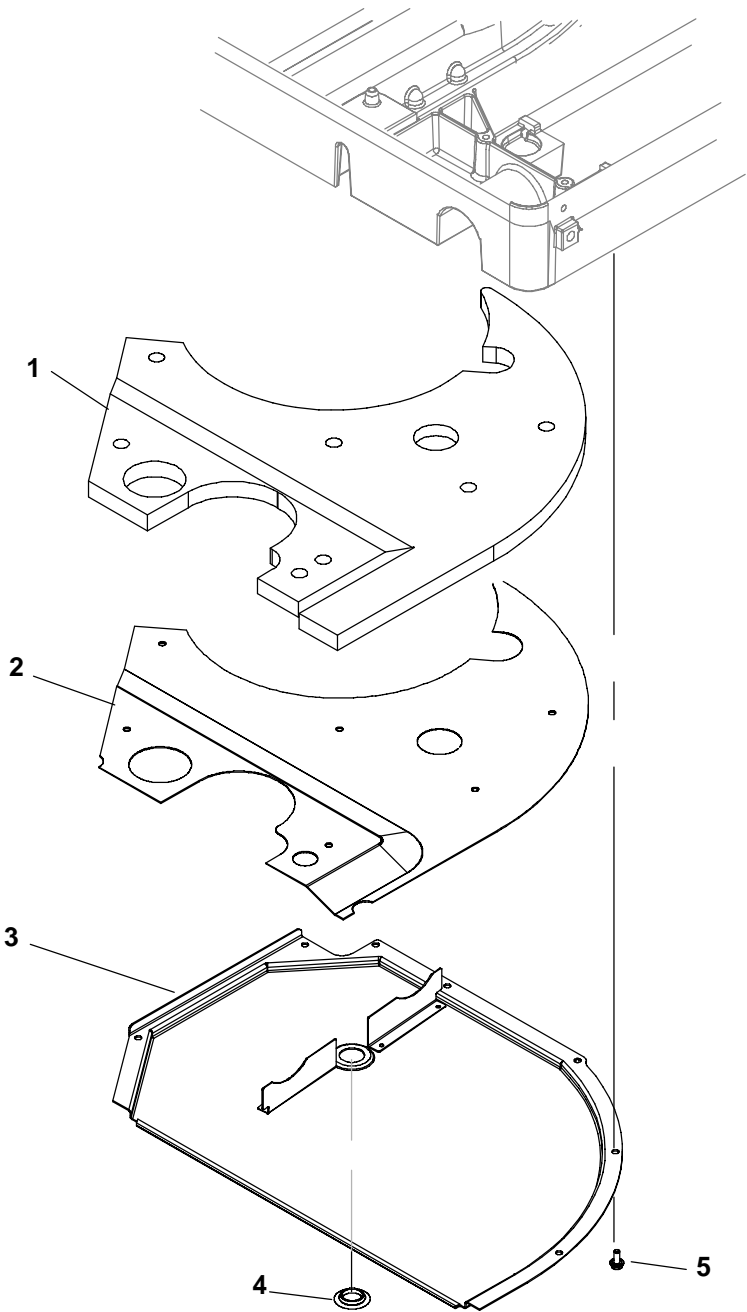
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0969-03	4	Screw, Hex Washer Head Thread Form (M6 x 1 x 46.5mm)
2	815-0969-02	4	Screw, Hex Washer Head Thread Form (M6 x 1 x 33mm)
3	134-5205-01	1	Shroud, Fan

Drip Pan **(HGJAA, HGJAB)**



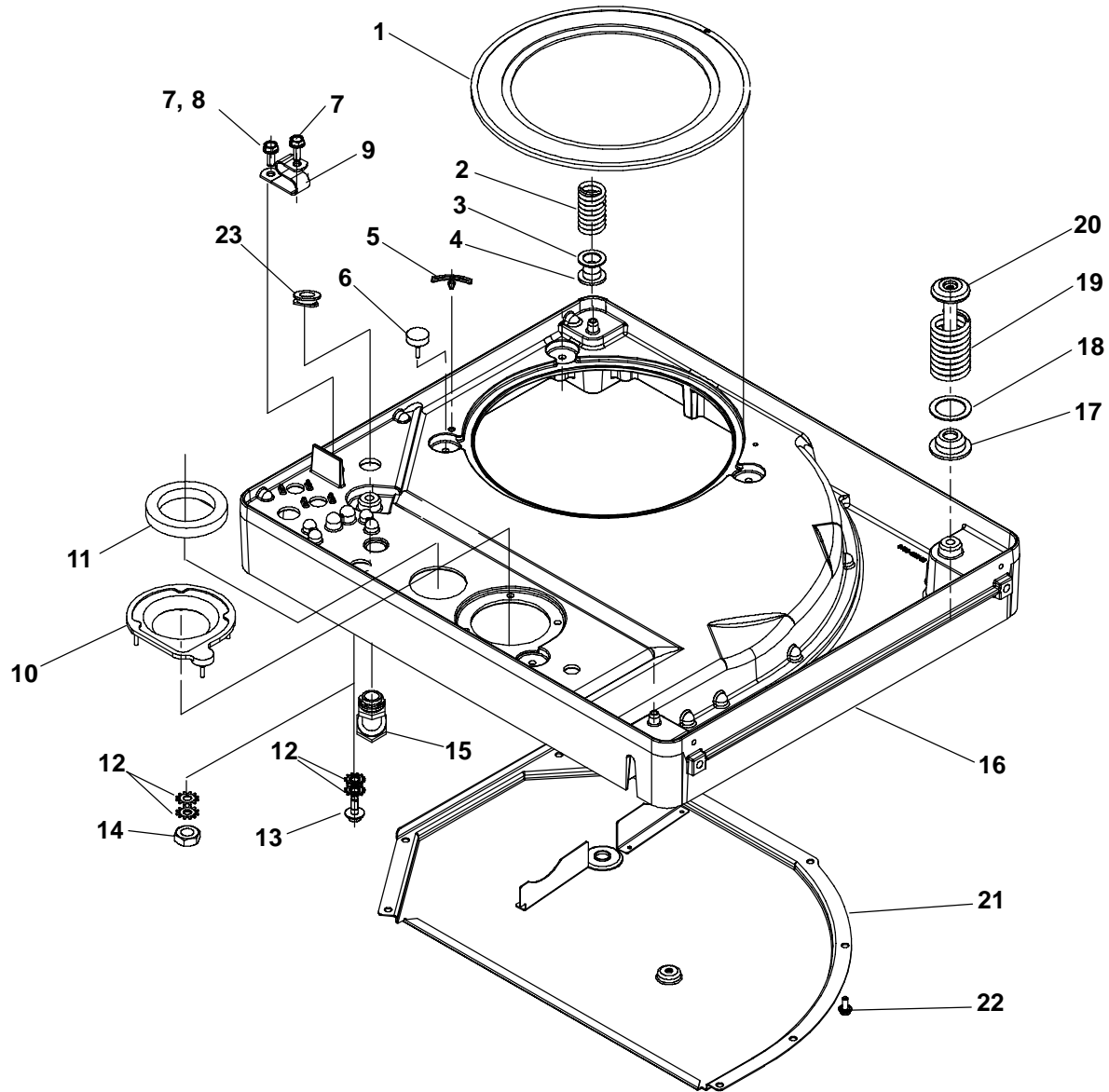
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	509-0349	1	Seal, Brush	12	405-6570	1	Seal, Air Intake
2	402-0733	2	Isolator, Spring	13	134-5211	1	Cover, Filter
3	526-0449	2	Washer, Flat	14	856-0008	2	Washer, EIT Lock (5/16")
4	402-0746	2	Isolator, Rubber	15	815-0508	1	Screw, Hex Washer Head Thread Form (5/16-18 x 3/4")
5	140-3203	2	Clip, Brush				LP Liquid, Carbureted, EFI
6	402-0744	3	Isolator, Snubber	16	862-0015	1	Nut, Hex Heavy (5/16-18 UNC)
7			Screw, Hex Washer Head (M8 x 1.25 x 20mm)				LP Vapor
	815-0829-06	2	EFI, LP Liquid	17	331-0569	1	Elbow, 45° Conduit
	815-0829-06	1	LP Vapor	18	815-0384	4	Screw, Hex Washer Head Thread Form (3/8-18 x 3/4")
8	815-0836	1	Screw, Hex Washer Head LP (5/16-18 x 1.50)	19	403-4201-01	1	Pan, Drip
9	337-0049	1	Strap, Bond	20	402-0745	2	Isolator, Rubber
10	508-1145	2	Grommet	21	526-0448	2	Washer, Flat
11			Plug, Hole	22	402-0727	2	Isolator, Vibration Spring
	517-0136	1	LP Vapor	23	815-1543	2	Screw, Socket Head Torx
	517-0136	2	LP Liquid, Carbureted Gasoline (Not used on EFI)	24	508-1182	1	Grommet (5/8")

Drip Pan Inlet Cover **(HGJAA, HGJAB)**



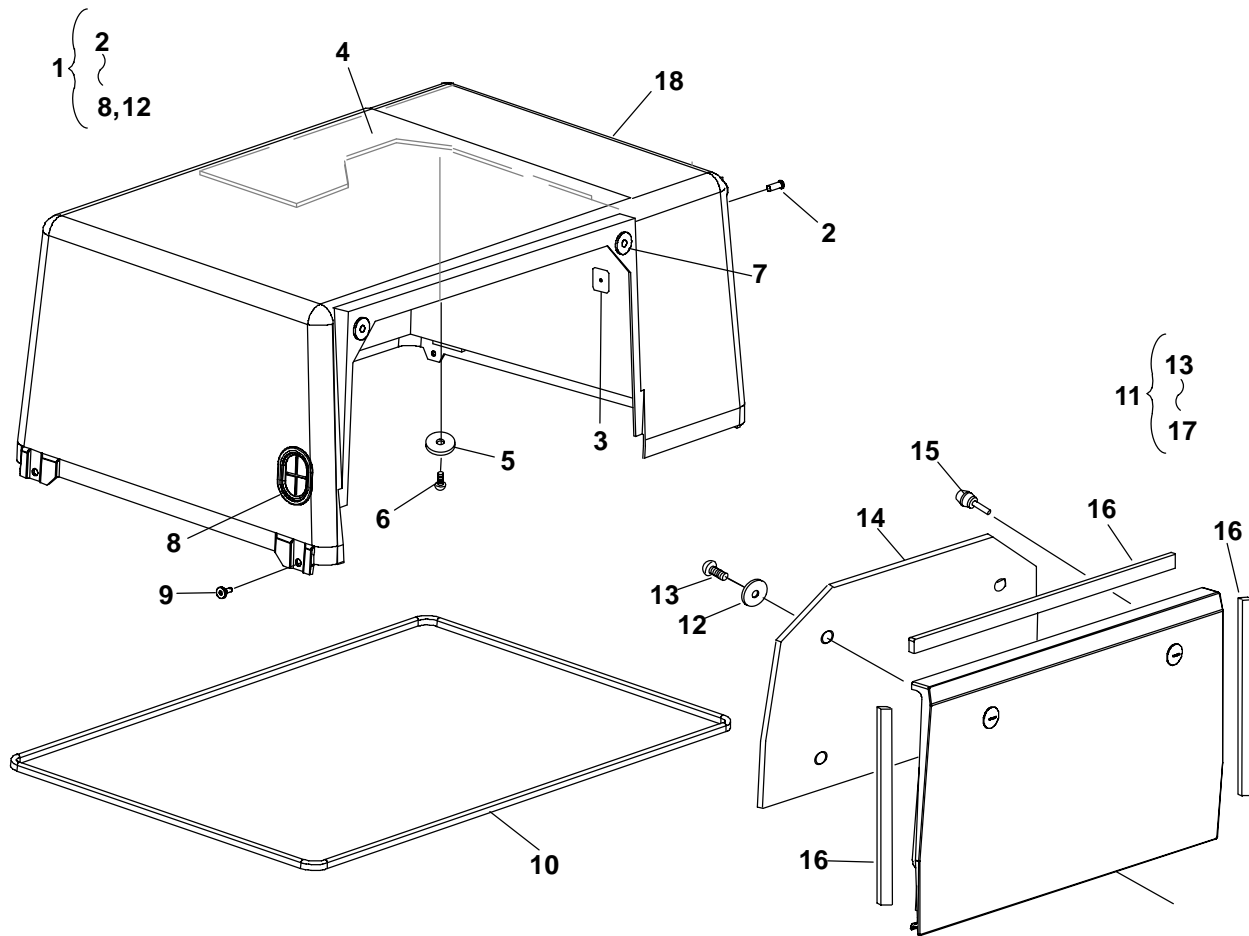
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-6768	1	Insulation, Inlet Baffle	5	815-0753	17	Screw, Hex Washer Head Thread Form (M6 x 14mm)
2	134-5255	1	Retainer, Insulation				
3	134-5232	1	Cover, Inlet				
4	517-0351-01	1	Plug, Hole				

Drip Pan (HGJAC)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	509-0349	1	Seal, Brush	12	856-0008	2	Washer, EIT Lock
2	402-0733	2	Isolator, Spring	13	815-0508	1	Screw, Hex Washer Head Thd Form (5/16-18 x 3/4") LP
3	526-0449	2	Washer, Flat	14	862-0015	1	Nut Hex Heavy (5/16-18 UNC)
4	402-0746	2	Isolator, Rubber	15	331-0569	1	Elbow, 45° Conduit
5	140-3203	2	Clip, Brush	16	403-4201-03	1	Pan, Drip
6	402-0744	3	Isolator, Snubber	17	402-0745	2	Isolator, Rubber
7			Screw, Hex Washer Head Thd Form (M8 x 1.25 x 20mm) (Vapor LP)	18	526-0448	2	Washer, Flat
	815-0829-06	1		19	402-0727	1	Isolator, Spring
	815-0829-06	2	(Gasoline, Liquid LP)	20	815-1543	2	Screw, Socket Head Torx
8	815-0836	1	Screw, Hex Washer Head Thd Form (5/16-18 x 1.5mm) Liquid Vapor	21	134-5232	2	Cover Assy, Inlet
9	337-0049	1	Strap, Bond	22	815-0753	10	Screw, Locking Flange (M6 x 1 x 14)
10	134-5211	1	Cover, Oil Filter				Grommet (5/8")
11	405-6570	1	Seal, Air Intake	23	508-1182	1	

Housing (HGJAA, HGJAB)

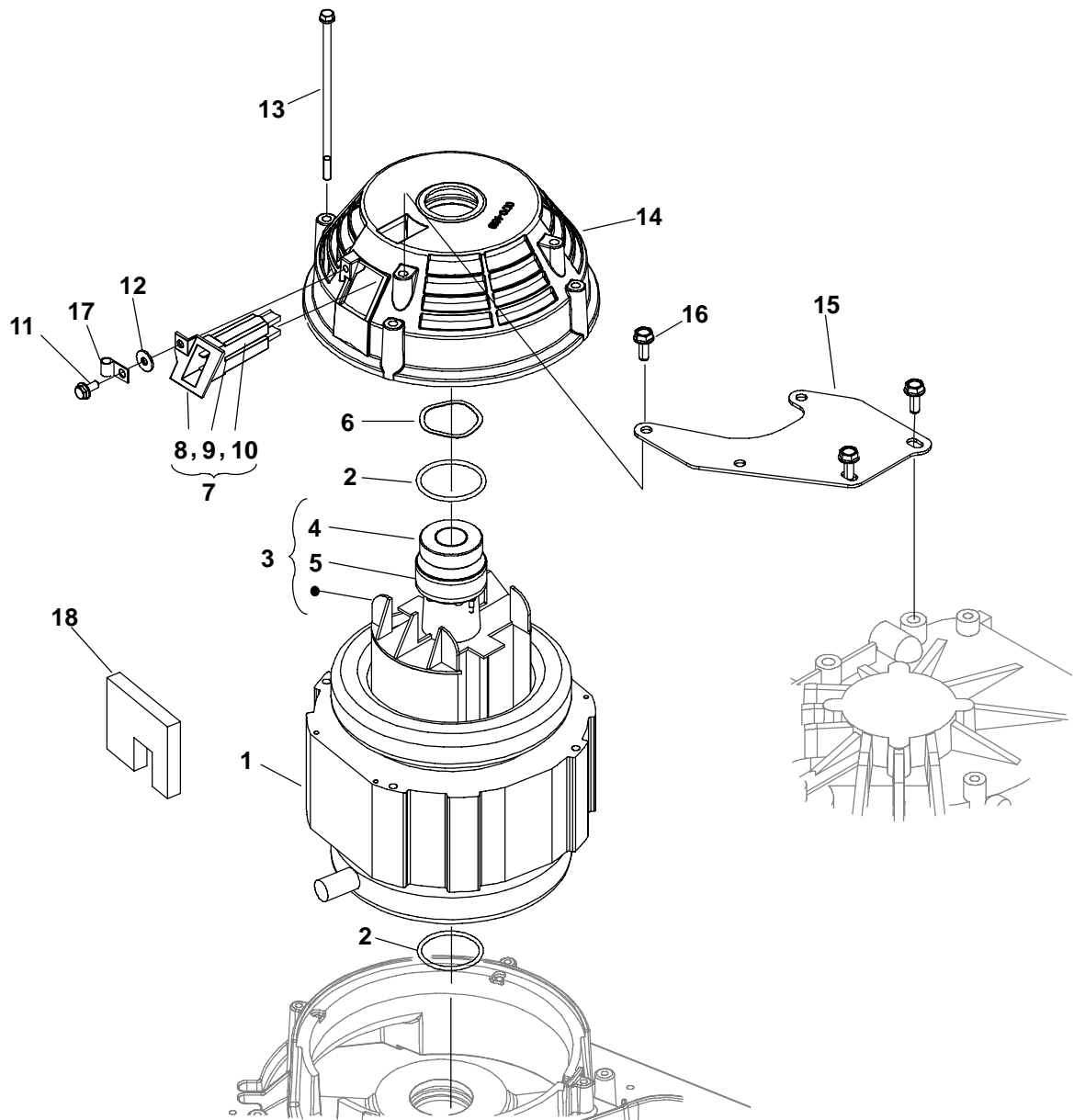


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	405-6915-01	1	Assy, Housing Begin Spec B (Includes Enclosure and Door Assemblies)	10	508-1155	1	Seal, Cover (2736mm)
	405-6710	1	Assy, Housing Spec A (Includes Enclosure and Door Assemblies)	11			Door Assy (Includes Parts Marked +)
	541-0796	1	Kit, Door (Includes Door and Pins Spec A Only)		405-6601	1	Spec A
1			Enclosure, Assy (Included Parts Marked *)		405-6918-01	1	Begin Spec B
	405-6602	1	Spec A	12	526-0394	4	*+Washer, Flat (1/4" ID x 1.25" OD)
	405-6916-01	1	Begin Spec B	13	819-1145	4	+Screw, Pan Head Stainless (#10 x 1/2")
2	818-0226-02	2	*Rivet	14	405-5943	1	+Insulation, Door
3	870-0462	2	*Nut, Push-on	15	516-0258	2	+Pin, Latch
4	405-5940	1	*Insulation, Cover	16	405-4311-01	1	+Gasket, Door (1182mm)
5	526-0130	2	*Washer, Flat (1/4" ID x 1" OD)	17			+Door, Enclosure
6	819-1145	5	*Screw, Pan Head Thread Form Stainless (#10 x 1/2")		405-5942	1	Spec A
7	508-1164	2	Grommet, For use on 541-0796 only		405-6919-01	1	Begin Spec B
8	508-1116	1	*Grommet, Remote	18	405-6984-01	1	Cover, Enclosure
9	823-0015	4	Screw, Shoulder Torx (M6 x 1 x 10mm)				

* - Parts Included in Housing Assy.

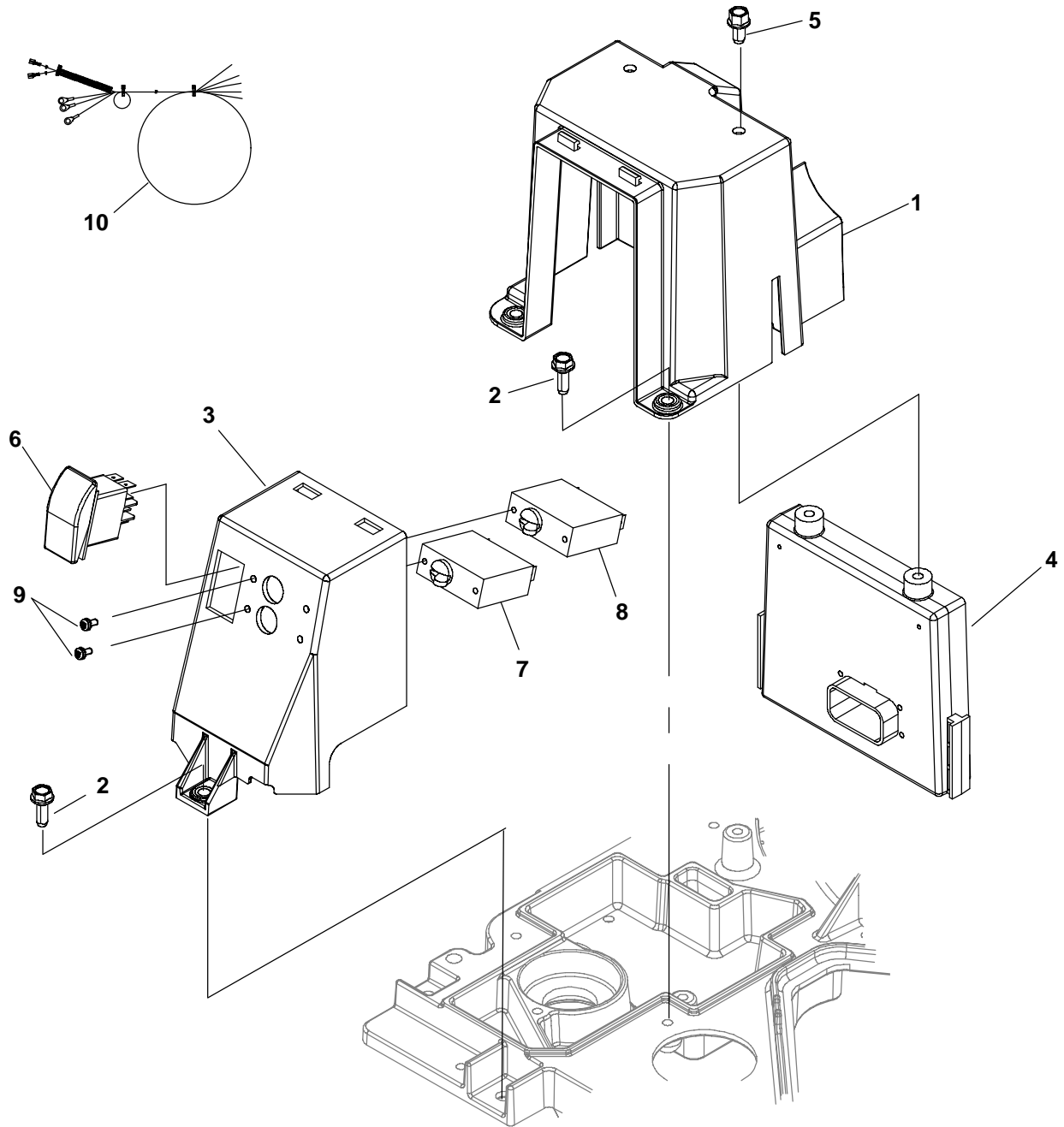
+ - Parts Included in Door Assy.
HGJAC is Unhoused.

Generator



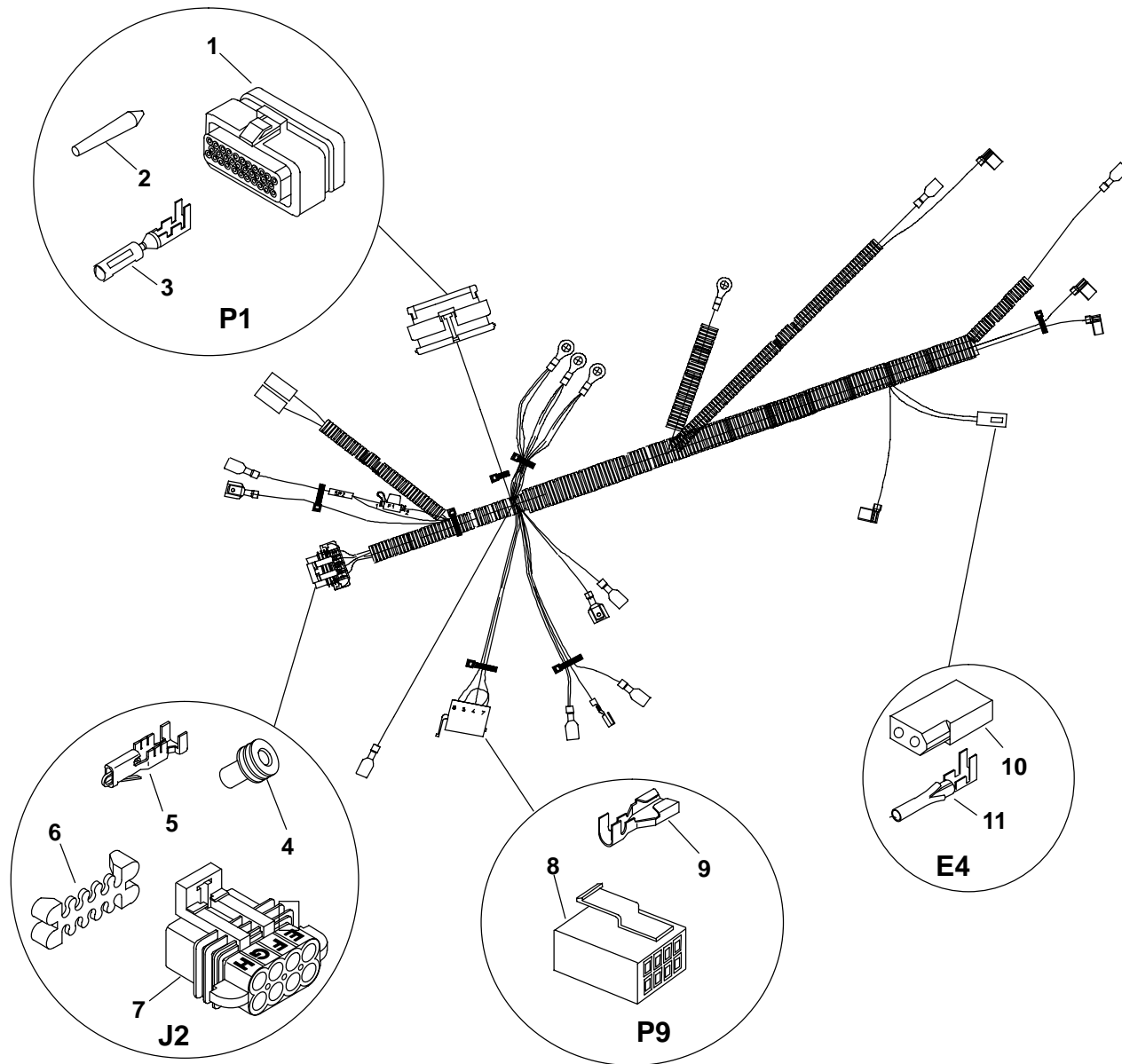
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator	8	212-1304	1	Block, Brush
	220-4544-01	1	6.5/7.0kW (95mm)	9	214-0109	2	Brush, Generator
	220-4544-02	1	5.5kW (80mm)	10	212-1276-03	2	Spring, Generator Brush
2	509-0420	2	O'Ring	11	815-0753	1	Screw, Lock Flange
3			Rotor Assy (Includes Bearings and Collector Ring)	12	526-2083	1	Washer, Flat (M6)
			Spec A-C	13			Bolt
	201-3567-01	1	5.5kW		815-0927-01	4	6.5/7.0kW (M6 x 1 x 160mm)
	201-3567-02	1	6.5/7.0kW		815-0927-02	4	5.5kW (M6 x 1 x 145mm)
			Begin Spec D	14	211-0508	1	Endbell, Generator
	201-3638-01	1	5.5kW	15			Bracket, Generator Stab
	201-3638-02	1	6.5/7.0kW		211-0494-02	1	6.5/7.0kW
4	510-0099	2	Bearing, Ball		211-0500-02	1	5.5kW
5	204-0141	1	Ring, Collector	16	815-0829-06	4	Screw, Hex Washer Thread Form (M8 x 1.25 x 20mm)
6	851-0045	1	Washer, Wave	17	332-2319	1	Clamp, Cable
7	212-1303	1	Block, Brush (Includes Block, Brush and Spring)	18	405-6701	1	Seal, Control
				19	403-5490	1	Shim, Endbell (Not Shown)

Control Housing



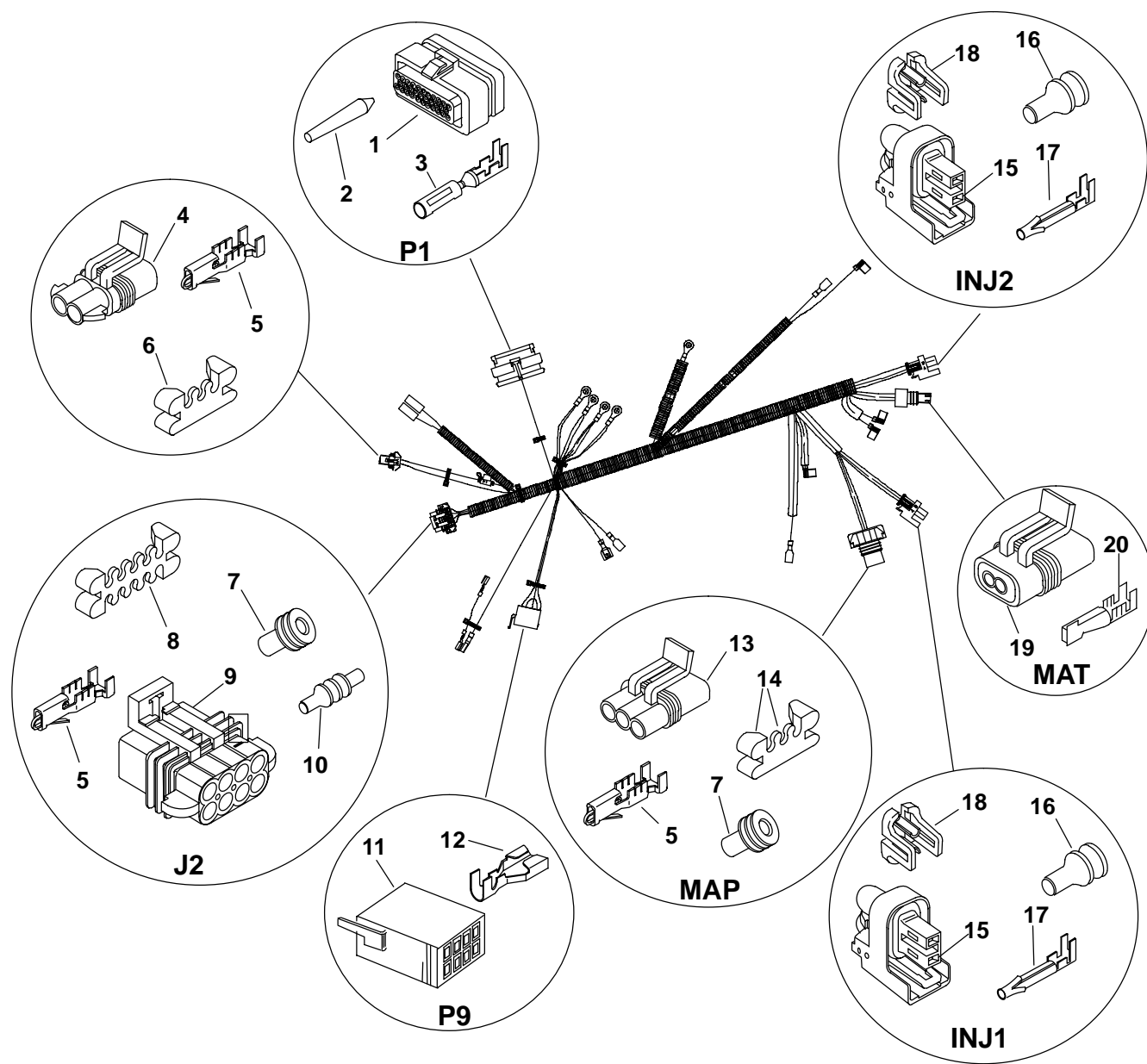
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4308	1	Cover, Control	7			Breaker, Circuit (30Amp)
2	815-0941-03	6	Screw, Hex Washer Head Thread Form (M6 x 1 x 18mm)		320-1323	2	6.5 and 7 kW
3	319-4307-01	1	Cover, Switch		320-1323	1	5.5 kW
4			Control, PCB	8	320-2003-01	1	Breaker, Circuit (20Amp)
	300-5503	1	EFI Sets				(5 and 5.5 kW)
	300-5374	1	All Others	9	815-0550-03	4	Screw, ET Pan Head Cross Recessed (#6-32 x 3/8")
5	815-0943-02	2	Screw, Hex Washer Head Thread Form (1/4-10 x 1/2")	10	338-3706	1	Harness, AC Output
6	308-1038	1	Switch, Rocker				

Engine Harness (All Sets Except EFI)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-3847	1	Harness, Engine	7	323-1743	1	Connector, Plug (J2) (8 Pin)
1	323-1605-01	1	Connector, Plug (P1) (23 Pin)	8	308-1019	1	Connector, Switch Housing (P9)
2	323-1615	5	Plug, Cavity (P1)	9	332-2928	AR	Terminal, Receptacle (P9)
3	323-1614-01	AR	Terminal, Socket (P1)	10	323-1861	AR	Housing, 2 Pin (E4)
4	323-1708	7	Seal, Cable (J2)	11	323-1860	AR	Terminal, Socket (E4)
5	323-1709	AR	Terminal, Socket (J2)				
6	323-1741	1	Housing, Lock (J2)				

Engine Harness (EFI Sets)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-3609	1	Harness, Engine	11	308-1019	1	Connector, Switch Housing (P9)
1	323-1819-01	1	Connector, Plug (P1) (35 Pin)	12	332-2928	AR	Terminal, Receptacle (P9)
2	323-1615	5	Plug, Cavity (P1)	13	323-1815	1	Housing, Connector (MAP)
3	323-1614-01	AR	Socket, Terminal (P1)	14	323-1816	1	Housing, Lock (MAP)
4	323-1884	1	Connector, (2 Pin) (E2)	15	323-1812	2	Housing, Connector (INJ1, INJ2)
5	323-1709	AR	Terminal, Socket (E2)(J2)(MAP)	16	323-1813	4	Terminal, Seal (INJ1, INJ2)
6	323-1883	1	Housing, Lock (E2)	17	323-1810	AR	Terminal, Socket (INJ1, INJ2)
7	323-1708	10	Seal, Cable (J2)(MAP)	18	323-1814	2	Housing, Lock (INJ1, INJ2)
8	323-1741	1	Housing, Lock (J2)	19	323-1817	1	Housing, Connector (MAT)
9	323-1743	1	Connector, Plug (J2) (8 Pin)	20	323-1818	AR	Terminal, Socket (MAT)
10	323-1712	1	Plug, Cavity (J2)				

Labels , Accessories

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
98-7792		1	Label, Package (Includes #)	98-7731-03		1	Label, Mod Ident (5500 LP)
98-7787-01		1	Label, Package Obsolete	98-7731-04		1	Label, Mod Ident (6500 LP)
98-7787-02		1	Label, Package Obsolete	HGJAB			
98-7787-03		1	Label, Package Obsolete	98-7730-01		1	Label, Mod Ident(5500 Gold)
98-7703-01		1	#Label, Start (20 and 30Amp)	98-7730-02		1	Label, Mod Ident(7000 Gold)
98-7703-02		1	#Label, Start (2 x 30Amp)	98-7730-03		1	Label, Mod Ident (5500LP Gold)
98-7704		1	#Label, Warning (Voltage)	98-7730-04		1	Label, Mod Ident (6500 LP Gold)
98-7705		1	#Label, Service	HGJAC			
98-7706-01		1	Label, Warning (Installation)	98-7732-01		1	Label, Mod Ident (5500)
98-7706-02		1	Label, Warning (Installation)	98-7732-02		1	Label, Mod Ident (7000)
98-7707		1	Label, Warning (Operation)	98-7732-03		1	Label, Mod Ident (5500LP)
98-7708		1	Label, Warning (Fan)	98-7732-04		1	Label, Mod Ident (6500 LP)
98-7709-01		1	Label, Caution (Overheat)	Accessories			
98-7709-02		1	#Label, Caution (Overheat)	148-1161		1	Kit, Conversion (LP) (HGJAB, HGJAC)
98-7711		1	#Label, B+	155-3408		1	Kit, Exhaust (HGJAC)
98-7716-01		1	Label, Fuel (Side)	155-3409		1	Kit, Exhaust (HGJAC)
98-7716-02		1	Label, Fuel (Supply)	155-3410		1	Kit, Exhaust (HGJAC)
98-7716-03		1	Label, Fuel (Return)	155-3411		1	Kit, Exhaust (HGJAC)
98-7788		1	Label, (B-)	155-3439		1	Kit, Exhaust Elbow
98-7789		1	#Label (Ground)	155-3481-01		1	Kit, Tailpipe (22")
98-7790		1	#Label, Warning (Lift)	155-3481-02		1	Kit, Tailpipe (26")
98-7494-03		1	Label, Listed (White, With Black Background)	405-6698		1	Kit, Mounting (Underfloor) (HGJAA , HGJAB)
HGJAA				405-6699		1	Kit, Mounting (Underfloor) (HGJAA , HGJAB)
98-7731-01		1	Label, Mod Ident (5500)	541-0678		1	Kit, Breather
98-7744		1	Label, Mod Ident (Platinum)				
98-7733		1	Label, Fuel Injection				
98-7731-02		1	Label, Mod Ident (7000)				

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